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PASSWORD:

* * * * * RECONNECTED TO STN INTERNATIONAL * * * * *

SESSION RESUMED IN FILE 'REGISTRY' AT 10:35:31 ON 23 JAN 2008
FILE 'REGISTRY' ENTERED AT 10:35:31 ON 23 JAN 2008
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COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	182.50	182.71
=> file registry		
COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	182.50	182.71

FILE 'REGISTRY' ENTERED AT 10:35:43 ON 23 JAN 2008
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STRUCTURE FILE UPDATES: 22 JAN 2008 HIGHEST RN 1000503-75-2
DICTIONARY FILE UPDATES: 22 JAN 2008 HIGHEST RN 1000503-75-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

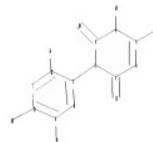
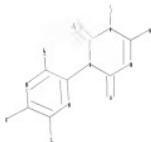
TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

=>
Uploading C:\Program Files\Stnexp\Queries\10 series\10536485\10536485a.str



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ring nodes :
1 2 3 4 5 6 7 8 9 10 11 12
chain bonds :
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ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 7-8 7-12 8-9 9-10 10-11 11-12
exact/norm bonds :
1-2 1-6 1-13 2-3 2-7 3-4 3-14 4-5 4-19 5-6 5-21 9-22 12-16
exact bonds :
10-18
normalized bonds :
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G1:O,S

G2:H,X

G3:H,Ak

G4:O,S,Hy

Match level :

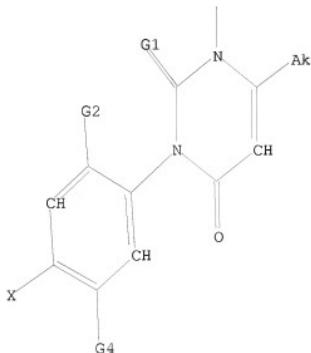
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11:Atom 12:Atom 13:CLASS 14:CLASS 16:CLASS 18:CLASS 19:CLASS 21:CLASS
22:CLASS

L4 STRUCTURE UPLOADED

=> d 14

L4 HAS NO ANSWERS

L4 STR



G1 O,S

G2 H,X

G3 H,Ak

G4 O,S,Hy

Structure attributes must be viewed using STN Express query preparation.

=> s 11

SAMPLE SEARCH INITIATED 10:36:23 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 509 TO ITERATE

100.0% PROCESSED 509 ITERATIONS
SEARCH TIME: 00.00.01

0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 8827 TO 11533
PROJECTED ANSWERS: 0 TO 0

L5 0 SEA SSS SAM L1

=> s 11 full
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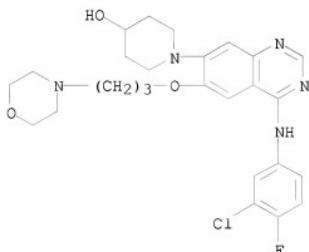
100.0% PROCESSED 10828 ITERATIONS
SEARCH TIME: 00.00.01

16 ANSWERS

L6 16 SEA SSS FUL L1

=> d scan

L6 16 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN 4-Piperidinol, 1-[4-[(3-chloro-4-fluorophenyl)amino]-6-[3-(4-morpholinyl)propoxy]-7-quinazolinyl]-
MF C26 H31 Cl F N5 O3



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> file caplus
COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 178.82 361.53

FILE 'CAPLUS' ENTERED AT 10:36:46 ON 23 JAN 2008
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FILE COVERS 1907 - 23 Jan 2008 VOL 148 ISS 4
FILE LAST UPDATED: 22 Jan 2008 (20080122/ED)

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They are available for your review at:

<http://www.cas.org/infopolicy.html>

=> s 16
L7 2 L6

=> d 17 1-2 ibib abs hitstr

L7 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2005:1024809 CAPLUS
DOCUMENT NUMBER: 143:477933
TITLE: Facile synthesis of 7-amino anilinoquinazolines via
direct amination of the quinazoline core
AUTHOR(S): Harris, Craig S.; Kettle, Jason G.; Williams, Emma J.
CORPORATE SOURCE: Centre de Recherches, AstraZeneca, Reims, 51689, Fr.
SOURCE: Tetrahedron Letters (2005), 46(43), 7381-7384
CODEN: TELEAY; ISSN: 0040-4039

PUBLISHER: Elsevier B.V.

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 143:477933

AB The facile preparation of 4-(3-chloro-4-fluoroanilino)-6-alkoxy-7-
aminoquinazolines from their corresponding 7-triflate and 7-fluoro
precursors are highlighted.

IT 869475-53-6P 869475-54-7P 869475-55-8P

869475-56-9P 869475-60-5P 869475-61-6P

869475-62-7P 869475-63-8P 869475-64-9P

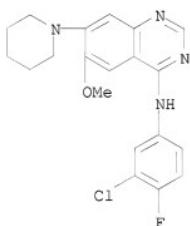
869475-65-0P 869475-66-1P 869475-70-7P

869475-71-8P 869475-72-9P 869475-79-6P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of anilinoquinazolinamines via direct amination of quinazoline
core)

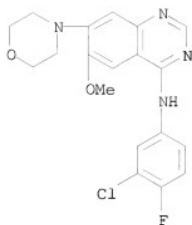
RN 869475-53-6 CAPLUS

CN 4-Quinazolinamine, N-(3-chloro-4-fluorophenyl)-6-methoxy-7-(1-piperidinyl)-
(CA INDEX NAME)

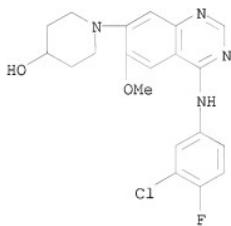


RN 869475-54-7 CAPLUS

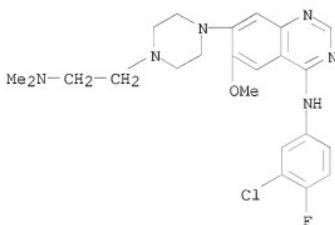
CN 4-Quinazolinamine, N-(3-chloro-4-fluorophenyl)-6-methoxy-7-(4-morpholinyl)-
(CA INDEX NAME)



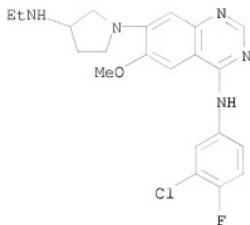
RN 869475-55-8 CAPLUS
 CN 4-Piperidinol, 1-[4-[(3-chloro-4-fluorophenyl)amino]-6-methoxy-7-quinazolinyl]- (CA INDEX NAME)



RN 869475-56-9 CAPLUS
 CN 4-Quinazolinamine, N-(3-chloro-4-fluorophenyl)-7-[4-[(2-dimethylamino)ethyl]piperazinyl]-6-methoxy- (CA INDEX NAME)

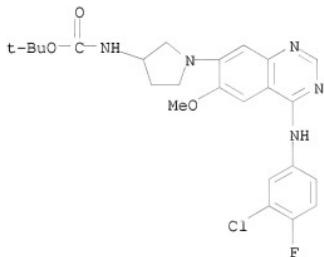


RN 869475-60-5 CAPLUS
 CN 4-Quinazolinamine, N-(3-chloro-4-fluorophenyl)-7-[3-(ethylamino)-1-pyrrolidinyl]-6-methoxy- (CA INDEX NAME)



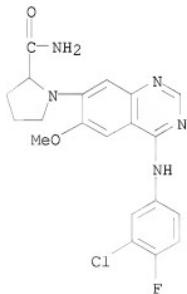
RN 869475-61-6 CAPLUS

CN Carbamic acid, [1-[4-[(3-chloro-4-fluorophenyl)amino]-6-methoxy-7-quinazolinyl]-3-pyrrolidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



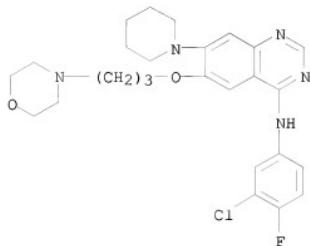
RN 869475-62-7 CAPLUS

CN 2-Pyrrolidinecarboxamide, 1-[4-[(3-chloro-4-fluorophenyl)amino]-6-methoxy-7-quinazolinyl]- (CA INDEX NAME)



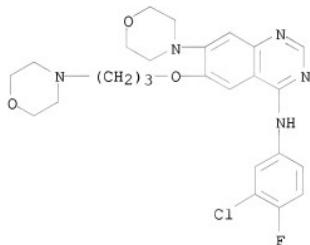
RN 869475-63-8 CAPLUS

CN 4-Quinazolinamine, N-(3-chloro-4-fluorophenyl)-6-[3-(4-morpholinyl)propoxy]-7-(1-piperidinyl)- (CA INDEX NAME)



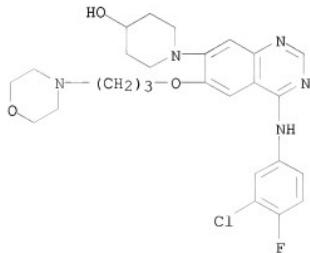
RN 869475-64-9 CAPLUS

CN 4-Quinazolinamine, N-(3-chloro-4-fluorophenyl)-7-(4-morpholinyl)-6-[3-(4-morpholinyl)propoxy]- (CA INDEX NAME)

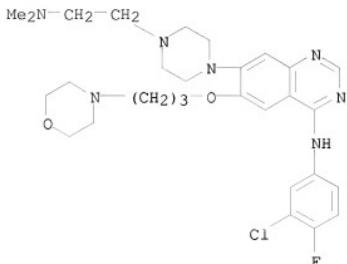


RN 869475-65-0 CAPLUS

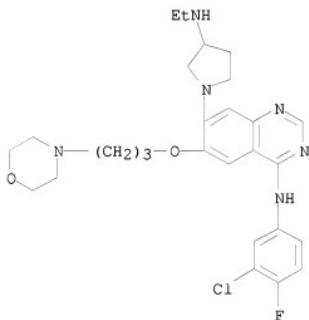
CN 4-Piperidinol, 1-[4-[(3-chloro-4-fluorophenyl)amino]-6-[3-(4-morpholinyl)propoxy]-7-quinazolinyl]- (CA INDEX NAME)



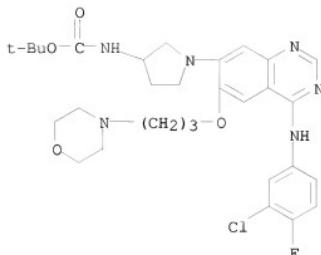
RN 869475-66-1 CAPLUS
CN 4-Quinazolinamine, N-(3-chloro-4-fluorophenyl)-7-[4-[2-(dimethylamino)ethyl]-1-piperazinyl]-6-[3-(4-morpholinyl)propoxy]- (CA INDEX NAME)



RN 869475-70-7 CAPLUS
CN 4-Quinazolinamine, N-(3-chloro-4-fluorophenyl)-7-[3-(ethylamino)-1-pyrrolidinyl]-6-[3-(4-morpholinyl)propoxy]- (CA INDEX NAME)

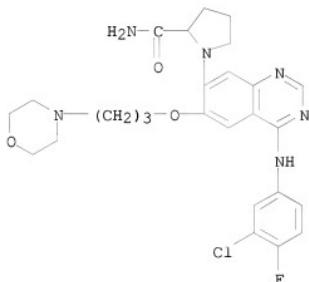


RN 869475-71-8 CAPLUS
CN Carbamic acid, [1-[4-[(3-chloro-4-fluorophenyl)amino]-6-[3-(4-morpholinyl)propoxy]-7-quinazolinyl]-3-pyrrolidinyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



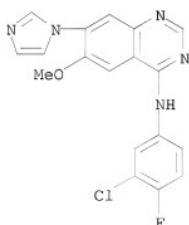
RN 869475-72-9 CAPLUS

CN 2-Pyrrolidinecarboxamide, 1-[4-[(3-chloro-4-fluorophenyl)amino]-6-[3-(4-morpholinyl)propoxy]-7-quinazolinyl]- (CA INDEX NAME)



RN 869475-79-6 CAPLUS

CN 4-Quinazolinamine, N-(3-chloro-4-fluorophenyl)-7-(1H-imidazol-1-yl)-6-methoxy- (CA INDEX NAME)



REFERENCE COUNT:

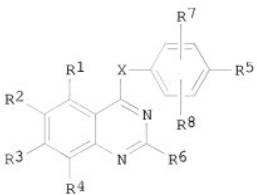
14

THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

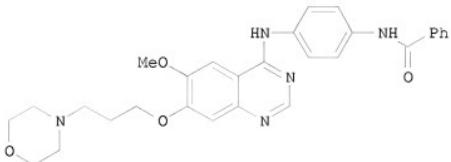
L7 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2001:228866 CAPLUS
 DOCUMENT NUMBER: 134:266317
 TITLE: Preparation of quinazolines as aurora 2 kinase inhibitors
 INVENTOR(S): Mortlock, Andrew Austen; Keen, Nicholas John; Jung, Frederic Henri; Brewster, Andrew George
 PATENT ASSIGNEE(S): Astrazeneca AB, Swed.; Astrazeneca UK Limited
 SOURCE: PCT Int. Appl., 306 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001021596	A1	20010329	WO 2000-GB3580	20000918
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
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EP 1218354	A1	20020703	EP 2000-960840	20000918
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JP 2003509499	T	20030311	JP 2001-524975	20000918
EE 200200119	A	20030415	EE 2002-119	20000918
HU 2003000059	A2	20030728	HU 2003-59	20000918
HU 2003000059	A3	20030828		
BG 106492	A	20030131	BG 2002-106492	20020307
IN 2002MN00293	A	20050318	IN 2002-MN293	20020308
ZA 2002002234	A	20030619	ZA 2002-2234	20020319
NO 2002001399	A	20020430	NO 2002-1399	20020320
PRIORITY APPLN. INFO.:				
		GB 1999-22154	A 19990921	
		GB 1999-22170	A 19990921	
		WO 2000-GB3580	W 20000918	
		WO 2000-GB9100	A 20000918	

OTHER SOURCE(S): MARPAT 134:266317
 GI



I



II

AB Title compds. (I) [wherein X = O, S, SO, SO₂, NH, or NR₁₂; R₁₂ = H or alkyl; R₁-R₄ = independently halo, CN, NO₂, alkylsulfanyl, N(OH)R₁₃, or R₁₅X₁; R₁₃ = H or alkyl; X₁ = a direct bond, O, CH₂, OC(O), CO, CO₂, S, SO, SO₂, or (un)substituted NHCO, CONH, SO₂NH, NHSO₂, or NH; R₅ = H or (un)substituted hydrocarbyl, heterocyclyl, or alkoxy; R₅ = NHCO₂R₉, NHCOR₉, NHSO₂R₉, COR₉, CO₂R₉, SOR₉, SO₂R₉, CONR₁₀R₁₁, SONR₁₀R₁₁, or SO₂NR₁₀R₁₁; R₉-R₁₁ = independently H or (un)substituted hydrocarbyl or heterocyclyl; or R₁₀ and R₁₁ together with the N to which they are attached = (un)substituted heterocyclyl; R₆ = H or (un)substituted hydrocarbyl or heterocyclyl; R₇ and R₈ = independently H, halo, alkyl, (di)alkoxy(methyl), alkanoyl, CF₃, CN, NHY₂, alkenyl, alkynyl, or (un)substituted Ph, PhCH₂, or heterocyclyl; or a salt, ester, or amide thereof] were prepared as aurora 2 kinase inhibitors for the treatment of proliferative diseases, such as cancer. For example, a 7-step sequence involving (1) alkylation of morpholine with 1-bromo-3-chloropropane (49%), (2) addition of Et vanillate to yield Et 3-methoxy-4-(3-morpholinopropoxy)benzoate (100%), (3) nitration (86%), (4) reduction to the amine using 10% Pd/C (100%), (5) cycloaddn. with formamide to form the quinazoline (68%), (6) chlorination to give 4-chloro-6-methoxy-7-(3-morpholinopropoxy)quinazoline (60%), and (7) amination with N-benzoyl-4-aminoaniline (58%) yielded II. The latter inhibited the serine/threonine kinase activity of aurora 2 kinase by 50% at a concentration of

0.0193 μM. In addition, II gave 50% inhibition of MCF-7 cell proliferation at 1.06 μM and reduced BrdU incorporation into cellular DNA by 50% at 0.159-0.209 μM.

IT 331776-68-2, (R)-4-((4-(N-Benzoyl)amino)anilino)-6-methoxy-7-(glycidyl)quinazoline

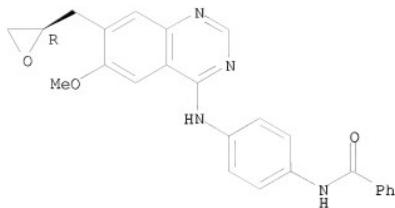
RL: RCT (Reactant); RACT (Reactant or reagent)

(reactant; preparation of 4-substituted quinazoline aurora 2 kinase inhibitors for treatment of cancer and other proliferative diseases)

RN 331776-68-2 CAPLOS

CN Benzamide, N-[4-[(6-methoxy-7-[(2R)-oxiranymethyl]-4-quinazolinyl]amino]phenyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 11 THERE ARE 11 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file registry			
COST IN U.S. DOLLARS	SINCE FILE	TOTAL	
FULL ESTIMATED COST	ENTRY	SESSION	
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DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE	TOTAL	
CA SUBSCRIBER PRICE	ENTRY	SESSION	
	-1.60	-1.60	

FILE 'REGISTRY' ENTERED AT 10:49:28 ON 23 JAN 2008
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STRUCTURE FILE UPDATES: 22 JAN 2008 HIGHEST RN 1000503-75-2
 DICTIONARY FILE UPDATES: 22 JAN 2008 HIGHEST RN 1000503-75-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

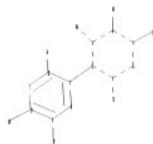
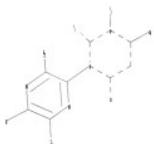
TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/support/stngen/stndoc/properties.html>

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exact/norm bonds :
1-2 1-6 1-13 2-3 2-7 3-4 3-14 4-5 4-19 5-6 5-21 9-22 12-16
exact bonds :
10-18
normalized bonds :
7-8 7-12 8-9 9-10 10-11 11-12
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G1:O,S

G2:H,X

G3:H,Ak

G4:O,S,Hy

Match level :

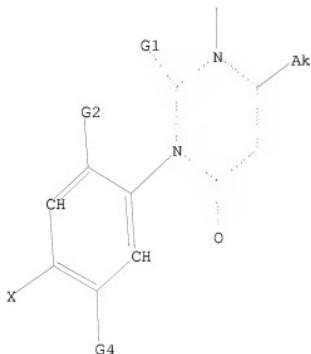
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11:Atom 12:Atom 13:CLASS 14:CLASS 16:CLASS 18:CLASS 19:CLASS 21:CLASS
22:CLASS

L8 STRUCTURE UPLOADED

=> d 18

L8 HAS NO ANSWERS

L8 STR



G1 O,S

G2 H,X

G3 H,Ak

G4 O,S,Hy

Structure attributes must be viewed using STN Express query preparation.

=> s 18

SAMPLE SEARCH INITIATED 10:49:51 FILE 'REGISTRY'

SAMPLE SCREEN SEARCH COMPLETED - 12663 TO ITERATE

15.8% PROCESSED 2000 ITERATIONS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)

SEARCH TIME: 00.00.01

11 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**

BATCH **COMPLETE**

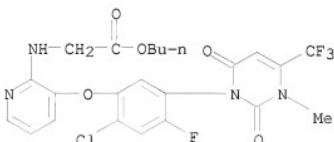
PROJECTED ITERATIONS: 246518 TO 260002

PROJECTED ANSWERS: 892 TO 1892

L9 11 SEA SSS SAM L8

=> d scan

L9 11 ANSWERS REGISTRY COPYRIGHT 2008 ACS on STN
IN Glycine, N-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]-, butyl ester
MF C23 H21 Cl F4 N4 O5



PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

HOW MANY MORE ANSWERS DO YOU WISH TO SCAN? (1):0

=> s 18 full
FULL SEARCH INITIATED 10:50:04 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 258599 TO ITERATE

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SEARCH TIME: 00.00.06

L10 1391 SEA SSS FUL L8

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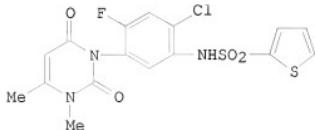
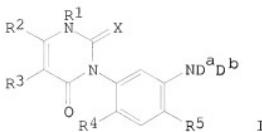
=> s l10
L11 91 L10

=> d l11 82-91 ibib abs hitstr

L11 ANSWER 82 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1993:124556 CAPLUS
DOCUMENT NUMBER: 118:124556
TITLE: Preparation of uracil derivatives as herbicides
INVENTOR(S): Satow, Jun; Fukuda, Kenzou; Itoh, Kaoru; Kita, Hiroshi; Kawamura, Yasuo; Suzuki, Koichi; Nawamaki, Tsutomu; Watanabe, Shigeomi; Endo, Toshiharu; Ishikawa, Kimihiro
PATENT ASSIGNEE(S): Nissan Chemical Industries, Ltd., Japan
SOURCE: PCT Int. Appl., 205 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9211244	A1	19920709	WO 1991-JP1716	19911216
W: AU, BB, BG, BR, CA, CS, FI, HU, KR, LK, MG, MN, MW, NO, PL, RO, SD, SU, US				
RW: AT, BE, BF, BJ, CF, CG, CH, CI, CM, DE, DK, ES, FR, GA, GB, GN, GR, IT, LU, MC, ML, MR, NL, SE, SN, TD, TG				
JP 05186436	A	19930727	JP 1991-330716	19911213
JP 3089621	B2	20000918		
AU 9190706	A	19920722	AU 1991-90706	19911216
EP 563384	A1	19931006	EP 1992-900598	19911216
EP 563384	B1	20011004		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, MC, NL, SE				
AT 206405	T	20011015	AT 1992-900598	19911216
CA 2097928	C	20020402	CA 1991-2097928	19911216
US 5356863	A	19941018	US 1993-75529	19931021
PRIORITY APPLN. INFO.:				
			JP 1990-402753	A 19901217
			JP 1991-121420	A 19910527
			JP 1991-300341	A 19911115
			WO 1991-JP1716	A 19911216

OTHER SOURCE(S): MARPAT 118:124556
GI



AB The title compds. (I; R1 = H, C1-3 (halo)alkyl; R2 = C1-6 haloalkyl; R3 = H, C1-6 (halo)alkyl, halo, HOCH2, O2N; R4 = H, halo; R5 = H, halo, cyano, NO2, cyano; X = O, S; Da, Db = H, C1-8 alkyl, C1-6 (halo)alkyl, C3-8 alkyl, C2-8 cycloalkyl; provided that both Da, Db ≠ H) are prepared Thus, 0.19 g 2-thiophenesulfonyl chloride was added to a solution of 0.31 g 3-(5-amino-4-chloro-2-fluorophenyl)-1-methyl-6-trifluoromethyl-2,4(1H,3H)-pyrimidinedione in pyridine at <5° and the mixture was stirred at room temperature overnight to give 0.3 g title compound II. This at 0.4 g/are preemergence controlled ≥90% 5 weeds, e.g. *Rolipa indica* and *Digitaria sanguinalis*, and 70-90% *Echinochloa crus-galli* inflicting ≤5% injury to wheat and corn. A total of 98 I were prepared

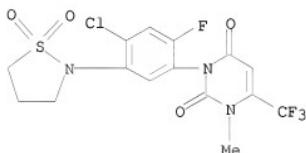
IT 145740-40-5P 145740-64-3P 145740-65-4P

145740-66-5P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses (preparation of, as herbicide)

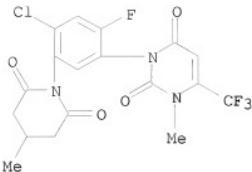
RN 145740-40-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-(1,1-dioxido-2-isothiazolidinyl)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

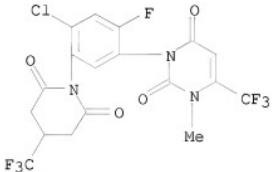


RN 145740-64-3 CAPLUS

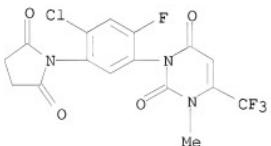
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(4-methyl-2,6-dioxo-1-piperidinyl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 145740-65-4 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[2,6-dioxo-4-(trifluoromethyl)-1-piperidinyl]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 145740-66-5 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-(2,5-dioxo-1-pyrrolidinyl)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



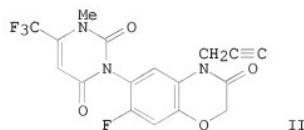
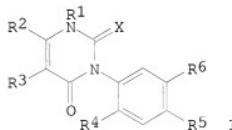
L11 ANSWER 83 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1992:469875 CAPLUS
 DOCUMENT NUMBER: 117:69875
 TITLE: Preparation of uracil derivatives as herbicides
 INVENTOR(S): Satow, Jun; Fukuda, Kenzou; Itoh, Kaoru; Suzuki, Koichi; Nawamaki, Tsutomu; Watanabe, Shigeomi
 PATENT ASSIGNEE(S): Nissan Chemical Industries, Ltd., Japan
 SOURCE: U.S., 60 pp. Cont.-in-part of U.S. Ser. No. 549,140, abandoned.
 CODEN: USXXAM
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5084084	A	19920128	US 1991-639216	19910109
JP 03204865	A	19910906	JP 1990-168683	19900627
EP 489480	A1	19920610	EP 1991-300034	19910102
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
AU 9168589	A	19920618	AU 1991-68589	19910103
AU 643479	B2	19931118		
CA 2033929	A1	19920606	CA 1991-2033929	19910110
CA 2033929	C	20010220		
HU 56554	A2	19910930	HU 1991-73	19910111
HU 214084	B	19971229		
BR 9100196	A	19911022	BR 1991-196	19910111
CN 1061966	A	19920617	CN 1991-100182	19910111
CN 1028476	B	19950524		
RU 2010524	C1	19940415	RU 1991-4894319	19910111
RO 109075	B1	19941130	JP 1991-146716	19910111
KR 163592	B1	19981201	KR 1991-302	19910111
US 5154755	A	19921013	US 1991-702376	19910520
JP 05017453	A	19930126	JP 1991-314391	19911128
JP 3055268	B2	20000626		
RU 2040523	C1	19950725	RU 1992-5010683	19920130
LV 11176	B	19960820	LV 1993-739	19930629
PRIORITY APPLN. INFO.:			JP 1989-181824	A 19890714
			JP 1989-187065	A 19890719
			JP 1989-274662	A 19891020
			JP 1990-168683	A 19900627
			US 1990-549140	B2 19900706
			JP 1990-400475	A 19901205
			US 1991-639216	A2 19910109
			JP 1991-6331	A1 19910123
			JP 1991-64714	A1 19910328

OTHER SOURCE(S):

MARPAT 117:69875

GI



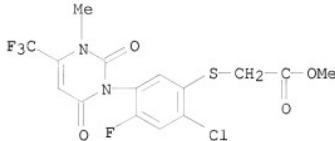
AB Title compds. I (R1 = H, C1-3 alkyl, HOCH2, C1-3 haloalkyl; R2 = C1-6 haloalkyl; R3 = H, C1-6 (halo)alkyl, H, O2N; R4 = H, halo; R5 = halo, O2N, cyano; R6 = HS, C1-5 alkyl, C3-6 cycloalkyl, C2-4 alkenyl, C3-4 alkynyl, NCCH2, HOCH2, ClCH2, PhCH2, heterocycl, etc.; R5R6 together with the benzene ring completes a substituted heterocycl; X = O,S), are prepared 3-(7-Fluoro-3-oxo-4-propargy1)-2H-1,4-benzoxazin-6-yl)-6-(trifluoromethyl)-2,4(1H,3H)-pyrimidinedione was added at room temperature to DMF containing NaH followed by addition of Me2SO4 to give the title compound II. In a test on herbicidal effect in irrigated field, II at 10 g/ha controlled >90% of barnyard grass, crabgrass, annual sedge, black nightshade, hairy galinsoga and fieldcress.

IT 134562-53-1P 134562-54-2P 134562-55-3P
134562-56-4P

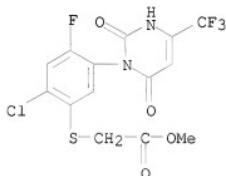
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of, as herbicide)

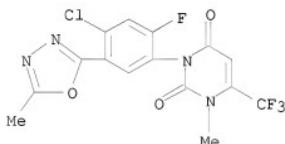
RN 134562-53-1 CAPLUS
 CN Acetic acid, [{2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thiol}-, methyl ester (9CI) (CA INDEX NAME)



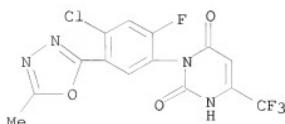
RN 134562-54-2 CAPLUS
 CN Acetic acid, [{2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thiol}-, methyl ester (9CI) (CA INDEX NAME)



RN 134562-55-3 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(5-methyl-1,3,4-oxadiazol-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

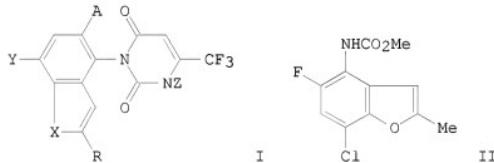


RN 134562-56-4 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(5-methyl-1,3,4-oxadiazol-2-yl)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



L11 ANSWER 84 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1992:426586 CAPLUS
 DOCUMENT NUMBER: 117:26586
 TITLE: Preparation of uracil derivatives as herbicides
 INVENTOR(S): Enomoto, Masayuki; Takemura, Susumu; Uekawa, Toru;
 Sakaki, Masaharu; Sato, Ryo; Nagano, Eiki
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
 SOURCE: Eur. Pat. Appl., 26 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 476697	A1	19920325	EP 1991-116056	19910920
EP 476697	B1	19960320		
R: BE, CH, DE, FR, GB, IT, LI, NL				
CA 2051942	A1	19920322	CA 1991-2051942	19910920
BR 9104045	A	19920609	BR 1991-4045	19910920
US 5169431	A	19921208	US 1991-763259	19910920
JP 05025165	A	19930202	JP 1991-241449	19910920
JP 2985415	B2	19991129		
PRIORITY APPLN. INFO.:			JP 1990-253313	A 19900921
OTHER SOURCE(S):	MARPAT	117:26586		
GI				



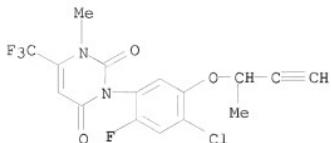
AB Uracil derivs. [I; R = alkyl; A = H, F, Cl; X = O, S; Y = H, F, Cl, Br; Z = Me, NH2] are prepared. A solution of 2.0 g carbamate ester II in DMF was added to a solution of 2.1 g CF3C(NH2):CHCO2Et and 0.5 g NaH in DMF with stirring under cooling, followed by reflux, MeI was added, and the mixture was kept overnight to give 1.1 g I (A = F, R = Z = Me, X = O, Y = Cl), which killed barnyard grass and broad-leaved weeds completely at 0.04 g/are without any harm to the rice plant.

IT 141976-58-1

RL: RCT (Reactant); RACT (Reactant or reagent)
 (reaction of, in preparation of herbicide)

RN 141976-58-1 CAPLUS

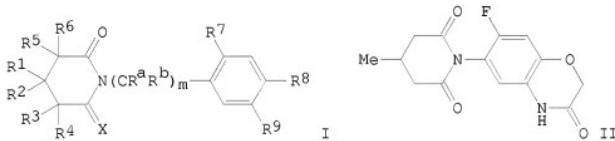
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(1-methyl-2-propynyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



L11 ANSWER 85 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1992:59224 CAPLUS
 DOCUMENT NUMBER: 116:59224
 TITLE: Preparation of N-phenylglutarimides as herbicides
 INVENTOR(S): Satow, Jun; Fukuda, Kenzou; Itoh, Kaoru; Kita, Hiroshi; Kawamura, Yasuo; Suzuki, Koichi; Nawamaki, Tsutomu; Watanabe, Shigeomi; Endo, Toshiharu
 PATENT ASSIGNEE(S): Nissan Chemical Industries, Ltd., Japan
 SOURCE: Eur. Pat. Appl., 156 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 454444	A1	19911030	EP 1991-303698	19910424
R: AT, BE, CH, JP 04356463	DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE			
	A	19921210	JP 1991-116868	19910419
PRIORITY APPLN. INFO.:			JP 1990-108236	A 19900424
			JP 1991-89986	A 19910327

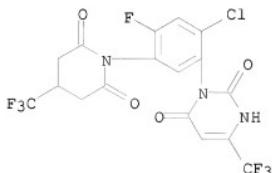
OTHER SOURCE(S): MARPAT 116:59224
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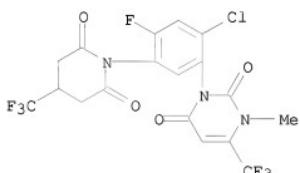
AB Title compds. [I; Ra,Rb = H, alkyl; R1-R6 = H, halo, cyano, (cyclo)alkyl, etc.; R7 = H, halo; R8 = N, halo, alkyl, cyano, NO2; R9 = H, halo, alkyl, alkoxy, alkoxy carbonyl, acylamino, heterocyclyl, etc.; R8R9 = atoms to complete a heterocyclic ring; X = O, S; m = 0-3] were prepared. Thus, 3-methylglutaric anhydride was condensed with 7-fluoro-6-amino-2H-1,4-benzoxazin-3(4H)-one and the product cyclized to give title compound II which gave >90% control of 6 weeds, e.g. Echinochloa crusgalli, with <5% damage to 5 crop plants at 1.6 g/a preemergent.

IT 138500-53-5P 138500-54-6P 138500-55-7P
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as herbicide)

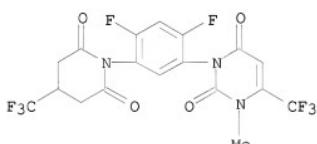
RN 138500-53-5 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[2-chloro-5-[2,6-dioxo-4-(trifluoromethyl)-1-piperidinyl]-4-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



RN 138500-54-6 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[2-chloro-5-[2,6-dioxo-4-(trifluoromethyl)-1-piperidinyl]-4-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



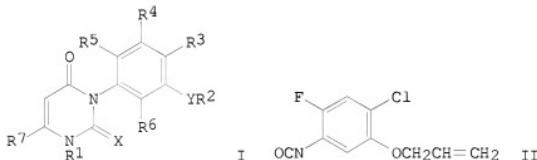
RN 138500-55-7 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-difluoro-5-[2,6-dioxo-4-(trifluoromethyl)-1-piperidinyl]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



L11 ANSWER 86 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1991:559169 CAPLUS
DOCUMENT NUMBER: 115:159169
TITLE: Preparation of pesticidal 3-aryluracil ethers and thioethers
INVENTOR(S): Brouwer, Walter G.; Felauer, Ethel E.; McDonald, Paul T.; McGuiness, James A.; Mishra, Anupama
PATENT ASSIGNEE(S): Uniroyal Chemical Ltd., Can.; Uniroyal Chemical Co., Inc.
SOURCE: PCT Int. Appl., 30 pp.

CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9107393	A1	19910530	WO 1990-US5990	19901018
W: AU, BR, CA, FI, HU, JP, KR RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, NL, SE				
US 5134144	A	19920728	US 1989-439732	19891120
AU 9066043	A	19910613	AU 1990-66043	19901018
BR 9007847	A	19920922	BR 1990-7847	19901018
JP 05502858	T	19930520	JP 1990-514599	19901018
JP 06099406	B	19941207		
IL 96114	A	19950831	IL 1990-96114	19901025
ZA 9008776	A	19910828	ZA 1990-8776	19901101
PRIORITY APPLN. INFO.:			US 1989-439732	A 19891120
			WO 1990-US5990	A 19901018
OTHER SOURCE(S):	MARPAT 115:159169			
GI				

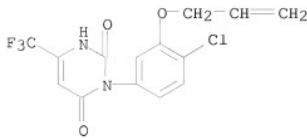


AB The title compds. [I; R1 = H, alkali or alkaline earth metal, etc.; R2 = C2-C6 hydrocarbyl, CR8R9CO2R10 wherein R8,R9 = H, linear or branched C1-4 alkyl, R10 = H, C1-6 hydrocarbyl; R3 = H, halo, NO2, C2-6 hydrocarbyl, etc.; R4, R5, R6 = H, halo, C1-4 alkyl, alkoxy' R7 = C1-6 halo hydrocarbyl; X, Y = O, S] are prepared H2NC(CF3):CHCO2Et was added to a suspension of 60% NaH in THF with stirring at 15° and then cooled to -70°, the mixture was treated with isocyanate II in THF at -70° and then room temperature to give I (R1 = R4 = R5 = R6 = H, R2 = allyl, R3 = Cl, R7 = CF3, X = Y = O), which controlled 100% rice planthoppers at 1000 ppm. Also prepared and tested were 6 addnl I.

IT 136187-55-8P
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses (preparation of, as pesticide)

RN 136187-55-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2-propenyl)oxy]phenyl]-6-(trifluoromethyl)-(9CI) (CA INDEX NAME)

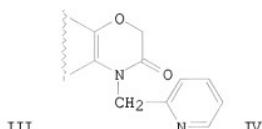
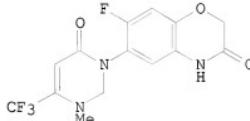
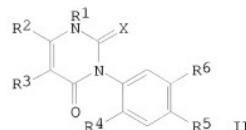
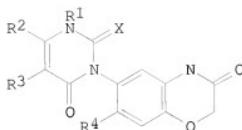


L11 ANSWER 87 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1991:429366 CAPLUS
 DOCUMENT NUMBER: 115:29366
 TITLE: Uracil derivatives and herbicides containing the same as active ingredient
 INVENTOR(S): Satow, Jun; Fukuda, Kenzou; Itoh, Kaoru; Suzuki, Koichi; Nawamaki, Tsutomu; Watanabe, Shigeomi
 PATENT ASSIGNEE(S): Nissan Chemical Industries, Ltd., Japan
 SOURCE: Eur. Pat. Appl., 161 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 3
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 408382	A2	19910116	EP 1990-307680	19900713
EP 408382	A3	19910710		
EP 408382	B1	19960918		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
JP 03204865	A	19910906	JP 1990-168683	19900627
AU 9058849	A	19910117	AU 1990-58849	19900710
AU 627906	B2	19920903		
CA 2021005	A1	19910115	CA 1990-2021005	19900712
CA 2021005	C	20000125		
AT 143017	T	19961015	AT 1990-307680	19900713
ES 2091799	T3	19961116	ES 1990-307680	19900713
KR 163591	B1	19981201	KR 1990-10635	19900713
US 5127935	A	19920707	US 1991-682370	19910409
PRIORITY APPLN. INFO.:				
			JP 1989-181824	A 19890714
			JP 1989-187065	A 19890719
			JP 1989-274662	A 19891020
			JP 1990-168683	A 19900627

OTHER SOURCE(S): MARPAT 115:29366
 GI



AB Uracil derivs., e.g., I, II [R1 = H, C1-3 alkyl, HOCH2, C1-3 haloalkyl; R2 = C1-6 haloalkyl; R3 = H, C1-6 alkyl, C1-6 haloalkyl, HOCH2, NO2; R4 = H, halo; R5 = halo, NO2, CN; R6 = SB1 (B1 = H, Cl-5 alkyl, C3-6 cycloalkyl, C2-4 alkenyl, C3-4 alkynyl, CH2CN, HOCH2, C1CH2, PhCH2, 5- and 6-membered heterocyclic, carboxyalkyl, substituted carboxymethyl, O-alkyloxime, azine), useful as herbicides were prepared Thus, substitution of benzofuranyluracil derivative III by 2-(chloromethyl)pyridine hydrochloride in DMF containing NaH 4 h at room temperature gave uracil derivative IV which was effective

against Echinochloa crusgalli at 5 g/ha.

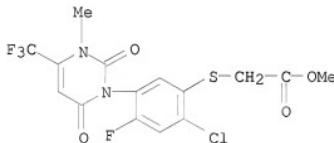
IT 134562-53-1P 134562-55-3P 134562-57-5P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation and herbicidal activity of)

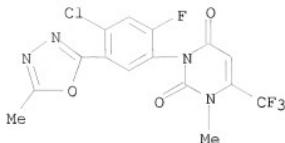
RN 134562-53-1 CAPLUS

CN Acetic acid, [(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio)-, methyl ester (9CI) (CA INDEX NAME)

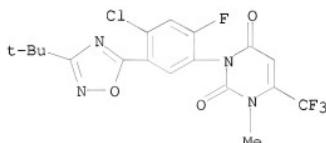


RN 134562-55-3 CAPLUS

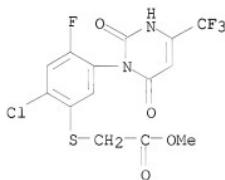
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(5-methyl-1,3,4-oxadiazol-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



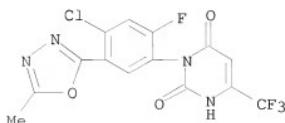
RN 134562-57-5 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[3-(1,1-dimethylethyl)-1,2,4-oxadiazol-5-yl]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



IT 134562-54-2P 134562-56-4P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of)
 RN 134562-54-2 CAPLUS
 CN Acetic acid, [[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-, methyl ester (9CI) (CA INDEX NAME)



RN 134562-56-4 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(5-methyl-1,3,4-oxadiazol-2-yl)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



L11 ANSWER 88 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1991;223297 CAPLUS

DOCUMENT NUMBER: 114;223297

TITLE: Embryo-lethality of new herbicides is not detected by the micromass teratogen tests

AUTHOR(S): Tsuchiya, Toshie; Buerger, Heinrich; Tsuchiya, Masahiko; Winternitz, Paul; Kistler, Andreas

CORPORATE SOURCE: Fac. Vet. Med., Univ. Berne, Bern, CH-3000, Switz.

SOURCE: Archives of Toxicology (1991), 65(2), 145-9

DOCUMENT TYPE: CODEN: ARTODN; ISSN: 0340-5761
Journal

LANGUAGE: English

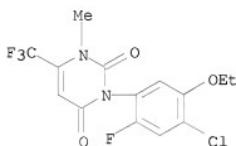
AB New herbicidal compds. (11 pyrimidinediones, 3 benzoates and 1 sulfonamide) were embryo-lethal but not teratogenic in rats. The range of the embryo-lethal dose varied from 0.2 to >200 mg/kg. This broad range offered the opportunity to validate whether proposed *in vitro* teratogen tests can detect the embryo-lethality of these herbicides. The IC₅₀ values (inhibition concentration 50%) for both differentiation and proliferation of midbrain and limb bud cells of rat embryos were determined and found to be above 50 µg/ml in all cases, confirming that the herbicides were not teratogenic. No correlation, however, was observed between the embryo-lethality *in vivo* and the activities in these cells. In order to test whether the potential to cause embryo-lethality could be predicted and detected as a general cytotoxic effect, the inhibition of colony forming ability in V79 cells was determined. The results indicated that cytotoxicity in V79 cells may be useful for preliminary testing of the embryo-lethal effect of herbicides.

IT 114168-56-8, Ro 40-4164 114168-72-8, Ro 40-8130
114169-03-8, Ro 40-2687 133762-96-6, Ro 41-8568

RL: BIOL (Biological study)
(embryotoxicity and teratogenesis from)

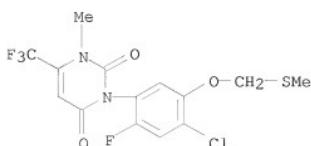
RN 114168-56-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-5-ethoxy-2-fluorophenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

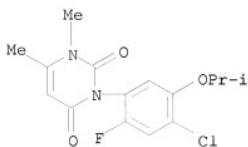


RN 114168-72-8 CAPLUS

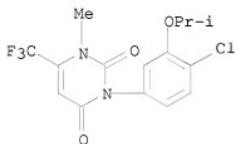
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(methylthio)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 114169-03-8 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-
1,6-dimethyl- (CA INDEX NAME)



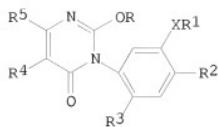
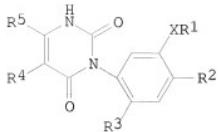
RN 133762-96-6 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(1-methylethoxy)phenyl]-1-methyl-
6-(trifluoromethyl)- (CA INDEX NAME)



L11 ANSWER 89 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1988:631048 CAPLUS
DOCUMENT NUMBER: 109:231048
TITLE: Preparation of herbicidal 3-arylruracil enol ethers
INVENTOR(S): Wenger, Jean; Winternitz, Paul
PATENT ASSIGNEE(S): Hoffmann-La Roche, F., und Co. A.-G., Switz.
SOURCE: Eur. Pat. Appl., 41 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

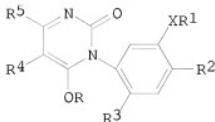
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 260621	A2	19880323	EP 1987-113342	19870911
EP 260621	A3	19890315		
R: CH, DE, ES, FR, GB, IT, LI, NL				
ZA 8706839	A	19880427	ZA 1987-6839	19870911
US 4812164	A	19890314	US 1987-96432	19870915
AU 8778490	A	19880331	AU 1987-78490	19870916
HU 44904	A2	19880530	HU 1987-4105	19870916
CN 87106833	A	19880427	CN 1987-106833	19870917
JP 63107967	A	19880512	JP 1987-231249	19870917
BR 8704796	A	19880517	BR 1987-4796	19870917
PRIORITY APPLN. INFO.:			CH 1986-3741	A 19860918
			CH 1987-2828	A 19870724

OTHER SOURCE(S): MARPAT 109:231048
GI



I

II



III

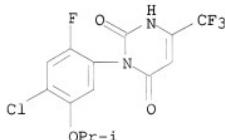
AB The 3-arylciluril I , their enol ethers II and III [R = alkyl, alkenyl, alkynyl; R1 = R, alkoxyalkyl, $(\text{CH}_2)_m\text{ONiCR}_6\text{R}_7$; R2 = H, CN; R3 = H, halo; R4 = H, F, alkyl; R5 = alkyl, haloalkyl; R4R5 = $(\text{CH}_2)_3$, $(\text{CH}_2)_4$; R6, R7 = alkyl; X = O, O₂C, O₂CO, CO₂; m = 1,2] are prepared as herbicides (no data). Iso-Pr 2-chloro-5-[2-chloro-6-oxo-4-trifluoromethyl-1(6H)pyrimidinyl]-4-fluorobenzoate was added to NaH in iso-PrOH, at 0°, to give iso-Pr 2-chloro-5-[2-isopropoxy-6-oxo-4-trifluoromethyl-1(6H)pyrimidinyl]-4-fluorobenzoate. A formulation comprised I, II or III 50, N-methylpyrrolidone 200, ethoxylated nonylphenol 50, Ca dodecylbenzoate 25 g/L and alkybenzenes to 1000 mL.

IT 114136-48-0 114168-90-0 114168-92-2
114168-94-4

RL: RCT (Reactant); RACT (Reactant or reagent)
(chlorination of)

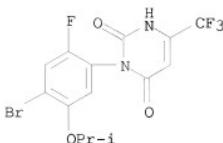
RN 114136-48-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)

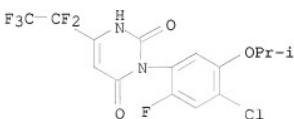


RN 114168-90-0 CAPLUS

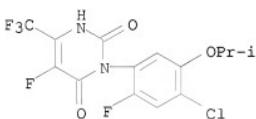
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-(1-methylethoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



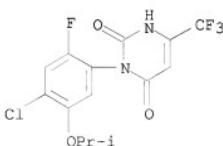
RN 114168-92-2 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-6-(pentafluoroethyl)- (9CI) (CA INDEX NAME)



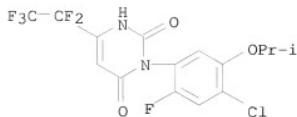
RN 114168-94-4 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-5-fluoro-6-(trifluoromethyl)- (CA INDEX NAME)



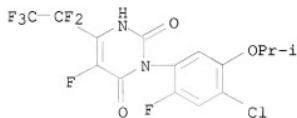
IT 114136-48-0 114168-92-2 114168-93-3
 115810-56-5
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (methylation of)
 RN 114136-48-0 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



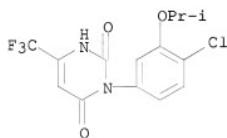
RN 114168-92-2 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-6-(pentafluoroethyl)- (9CI) (CA INDEX NAME)



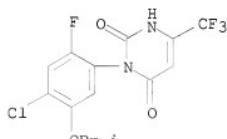
RN 114168-93-3 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-6-(pentafluoroethyl)- (9CI) (CA INDEX NAME)



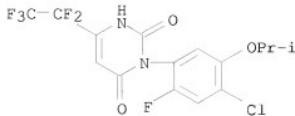
RN 115810-56-5 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(1-methylethoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



IT 114136-48-0P 114168-92-2P 114168-93-3P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of, as intermediate for pyrimidinone herbicides)
 RN 114136-48-0 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)

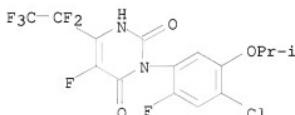


RN 114168-92-2 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-6-(pentafluoroethyl)- (9CI) (CA INDEX NAME)



RN 114168-93-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-5-fluoro-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



L11 ANSWER 90 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1988:524320 CAPLUS

DOCUMENT NUMBER: 109:124320

TITLE: Cross tolerance to herbicidal and environmental oxidants of plant biotypes tolerant to paraquat, sulfur dioxide, and ozone

AUTHOR(S): Shaaltiel, Y.; Glazer, A.; Bocion, P. F.; Gressel, J.

CORPORATE SOURCE: Dep. Plant Genet., Weizmann Inst. Sci., Rehovot, 76100, Israel

SOURCE: Pesticide Biochemistry and Physiology (1988), 31(1), 13-23

CODEN: PCBPBS; ISSN: 0048-3575

DOCUMENT TYPE: Journal

LANGUAGE: English

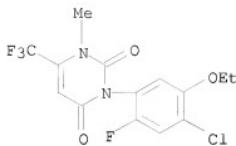
AB The hypothesis that biotypes of various species that evolved resistance to one oxidant stress might have cross tolerance to oxidant stresses from other sources was tested. A paraquat-resistant *Cyperus bonariensis* biotype was tolerant to SO₂, and to atrazine, acifluorfen, and two exptl. pyrimidinedione derivs., herbicides that generate or induce the generation of oxidants in the light. Its resistance was between 1.5 and 10 times greater than that of the sensitive biotype. Two strains of *Lolium perenne*, one paraquat tolerant and one SO₂ tolerant, were compared for their tolerances to paraquat. Both were at least 10 times more tolerant to paraquat than the sensitive strain. The paraquat- and SO₂-tolerant *Lolium* strains both had 70% more superoxide dismutase and 20% more glutathione reductase than the sensitive strain. One of four ozone-tolerant *Nicotiana tabacum* cultivars was 16 times more tolerant to paraquat than the ozone-sensitive cultivar. The ozone-tolerant cultivar had 60% more of the three superoxide dismutase isoenzymes present than the sensitive biotype. These results suggest that tolerance in these cases is related to a general ability to more rapidly detoxify the generated oxygen species, as was previously shown with *C. bonariensis*.

IT 114168-56-8 114168-64-8

RL: BIOL (Biological study)
(paraquat-resistant *Cyperus bonariensis* cross-tolerance to)

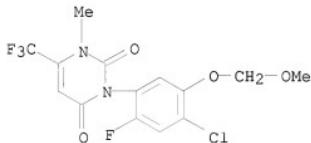
RN 114168-56-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-ethoxy-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 114168-64-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(methoxymethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



L11 ANSWER 91 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1988:473464 CAPLUS

DOCUMENT NUMBER: 109:73464

TITLE: Preparation of 3-phenyluracils as herbicides

INVENTOR(S): Wenger, Jean; Winternitz, Paul

PATENT ASSIGNEE(S): Hoffmann-La Roche, F., und Co. A.-G., Switz.

SOURCE: Eur. Pat. Appl., 66 pp.

CODEN: EPXXDW

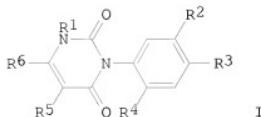
DOCUMENT TYPE: Patent

LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 255047	A1	19880203	EP 1987-110681	19870723
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE	A	19880513	DK 1987-3668	19870714
DK 8703668	A	19890822	US 1987-76415	19870721
US 4859229	A	19880330	ZA 1987-5466	19870724
ZA 8705466	A2	19880530	HU 1987-3450	19870728
HU 44902	A	19880211	AU 1987-76371	19870730
AU 8776371	B2	19901213		
AU 604250	A	19880222	JP 1987-191487	19870730
JP 63041466	A	19880405	BR 1987-3926	19870730
BR 8703926	C	19910723	CA 1987-543370	19870730
CA 1286662	A	19880406	CN 1987-105777	19870731
CN 87105777			CH 1986-3090	A 19860731
PRIORITY APPLN. INFO.:			CH 1987-2207	A 19870612
OTHER SOURCE(S):	MARPAT	109:73464		
GI				



AB The title compds. [I; R1 = H, Cl-4 (halo)alkyl, CHO, C2-6 alkanoyl; R2 = H, NO₂, NH₂, N₂X-, OH, etherified or esterified OH; R3 = halo, cyano; R4 = H, halo; R5 = H, Cl-4 alkyl, halo; R6 = Cl-4 (halo)alkyl; R5R6 = (CH₂)₃, (CH₂)₄; X = anion] and, where R1 = H, their salts were prepared as herbicides (no data). F₃CC(NH₂):CHCO₂Et was N-acylated with 4-chloro-2-fluoro-5-isopropoxyphenyl isocyanate to give a urea intermediate which cyclized without isolation to give I (R1 = R5 = H, R2 = Me₂CHO, R3 = F, R4 = Cl, R6 = CF₃).

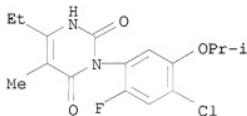
IT
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 114169-21-0P 114169-22-1P 114169-23-2P
 114169-24-3P 114169-25-4P 114169-26-5P
 114169-27-6P 114169-28-7P 114169-29-8P
 114169-30-1P 114169-31-2P 114169-32-3P
 114169-34-5P 114169-35-6P 114169-36-7P
 114169-37-8P 114169-38-9P 114169-39-0P
 114169-40-3P 114169-41-4P 114169-42-5P
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 114169-58-3P 114169-59-4P 114169-60-7P

114169-61-8P 114169-62-9P 114169-63-0P
 114169-64-1P 114169-65-2P 114169-66-3P
 114169-67-4P 114169-68-5P 114169-69-6P
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 114169-73-2P 114169-74-3P 114169-75-4P
 114169-76-5P 114169-77-6P 114169-78-7P
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 114170-18-2P 114170-19-3P 114170-20-6P
 114170-21-7P 114170-22-8P 114170-23-9P
 114170-24-0P 114170-25-1P 114170-26-2P
 114170-27-3P 114170-28-4P 114170-30-8P
 114170-31-9P 114170-32-0P 114170-33-1P
 114170-34-2P 114170-35-3P 114170-36-4P
 114170-37-5P 114170-38-6P 114170-39-7P
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 114170-43-3P 114170-44-4P 114170-45-5P
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 114170-52-4P 114170-53-5P 114170-54-6P
 114183-68-5P 114190-14-6P 114190-15-7P
 114190-16-8P 114190-17-9P 114190-18-0P
 114190-19-1P 114190-20-4P 114190-21-5P
 114190-22-6P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses (preparation of, as herbicide))

RN 114108-80-4 CAPLUS

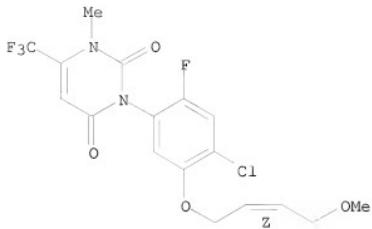
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-6-ethyl-5-methyl- (CA INDEX NAME)



RN 114108-91-7 CAPLUS

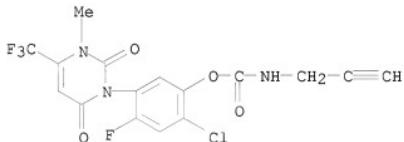
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(4-methoxy-2-butenyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)-, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



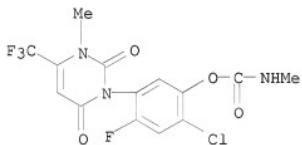
RN 114108-92-8 CAPLUS

CN Carbamic acid, 2-propynyl-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI) (CA INDEX NAME)



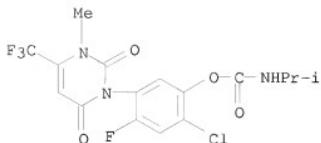
RN 114136-38-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(methylamino)carbonyloxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



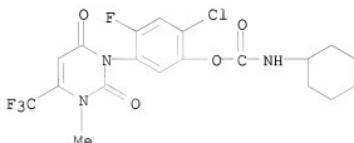
RN 114136-39-9 CAPLUS

CN Carbamic acid, (1-methylethyl)-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI) (CA INDEX NAME)



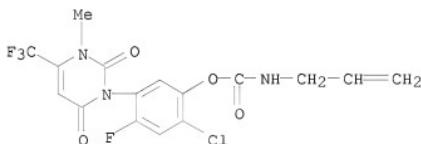
RN 114136-40-2 CAPLUS

CN Carbamic acid, cyclohexyl-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI) (CA INDEX NAME)



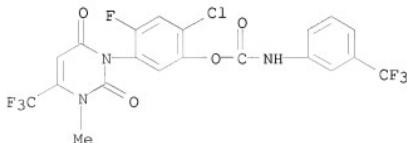
RN 114136-41-3 CAPLUS

CN Carbamic acid, 2-propenyl-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI) (CA INDEX NAME)



RN 114136-42-4 CAPLUS

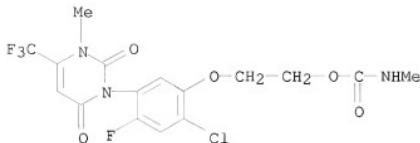
CN Carbamic acid, [3-(trifluoromethyl)phenyl]-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI) (CA INDEX NAME)



RN 114136-43-5 CAPLUS

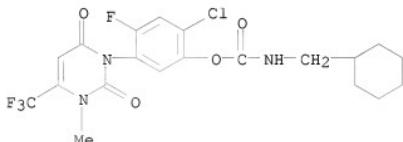
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-{[(methylamino)carbonyl]oxy}ethoxy]phenyl]-1-methyl-6-(trifluoromethyl)-

(9CI) (CA INDEX NAME)



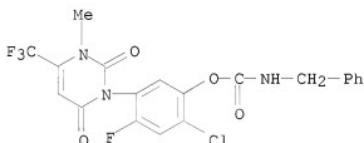
RN 114136-44-6 CAPLUS

CN Carbamic acid, (cyclohexylmethyl)-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI)
(CA INDEX NAME)



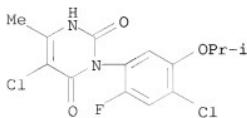
RN 114136-45-7 CAPLUS

CN Carbamic acid, (phenylmethyl)-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI) (CA INDEX NAME)



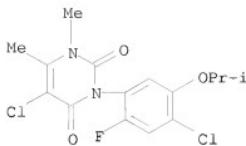
RN 114136-46-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 5-chloro-3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-6-methyl- (CA INDEX NAME)

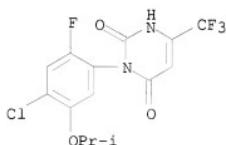


RN 114136-47-9 CAPLUS

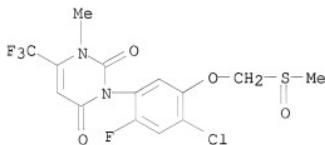
CN 2,4(1H,3H)-Pyrimidinedione, 5-chloro-3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1,6-dimethyl- (CA INDEX NAME)



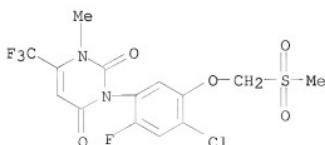
RN 114136-48-0 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



RN 114136-49-1 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(methylsulfinyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

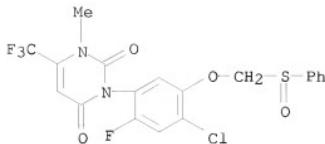


RN 114136-50-4 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(methylsulfonyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



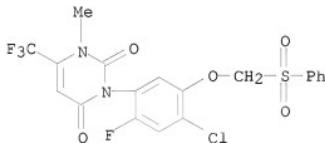
RN 114136-51-5 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(phenylsulfonyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

NAME)



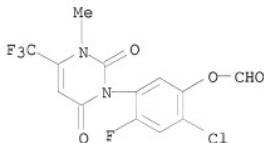
RN 114136-52-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(phenylsulfonyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



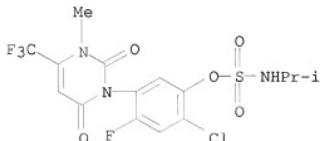
RN 114136-53-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(formyloxy)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 114136-54-8 CAPLUS

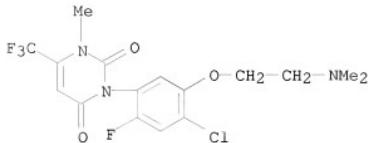
CN Sulfamic acid, (1-methylethyl)-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI) (CA INDEX NAME)



RN 114136-55-9 CAPLUS

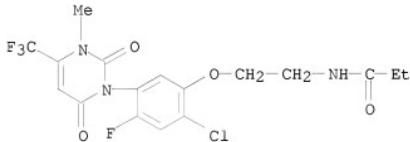
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[2-(dimethylamino)ethoxy]-2-

fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



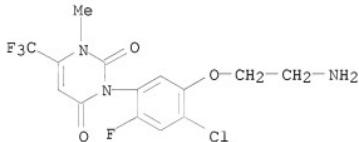
RN 114136-56-0 CAPLUS

CN Propanamide, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]ethyl]- (CA INDEX NAME)



RN 114136-57-1 CAPLUS

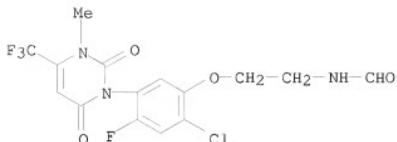
CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-(2-aminoethoxy)-4-chloro-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)-, hydrochloride (9CI) (CA INDEX NAME)



● x HCl

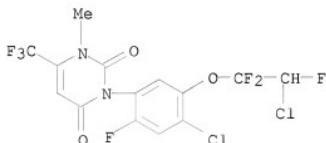
RN 114136-58-2 CAPLUS

CN Formamide, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]ethyl]- (CA INDEX NAME)



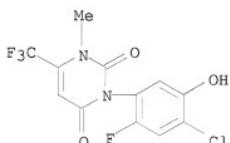
RN 114136-59-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-(2-chloro-1,1,2-trifluoroethoxy)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



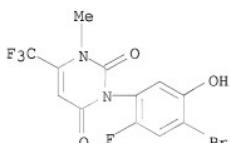
RN 114136-60-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



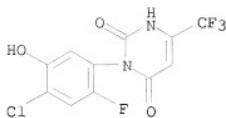
RN 114136-61-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-bromo-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

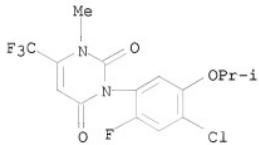


RN 114136-62-8 CAPLUS

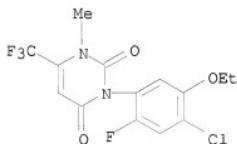
CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-6-(trifluoromethyl)- (CA INDEX NAME)



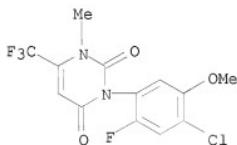
RN 114168-55-7 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



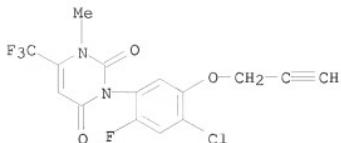
RN 114168-56-8 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-5-ethoxy-2-fluorophenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



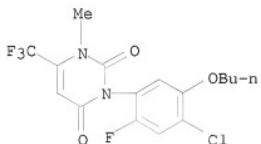
RN 114168-57-9 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-methoxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



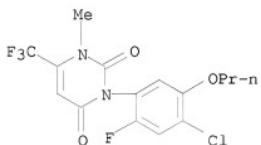
RN 114168-58-0 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propynyloxy)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



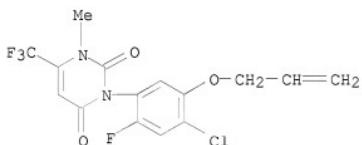
RN 114168-59-1 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(5-butoxy-4-chloro-2-fluorophenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



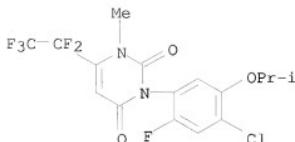
RN 114168-60-4 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-propoxypyhenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 114168-61-5 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propenoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

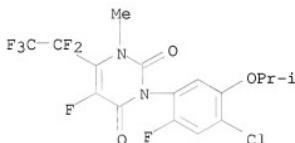


RN 114168-62-6 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1-methyl-6-(pentafluoroethyl)- (9CI) (CA INDEX NAME)



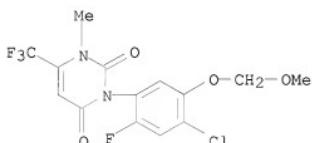
RN 114168-63-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-5-fluoro-1-methyl-6-(pentafluoroethyl)- (9CI) (CA INDEX NAME)



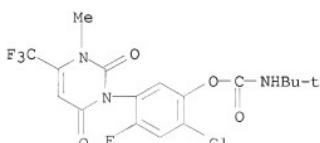
RN 114168-64-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(methoxymethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



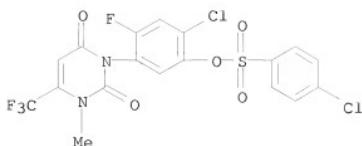
RN 114168-65-9 CAPLUS

CN Carbamic acid, (1,1-dimethylethyl)-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI) (CA INDEX NAME)

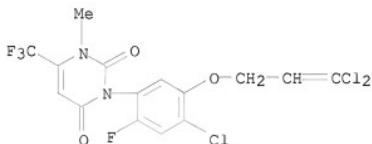


RN 114168-66-0 CAPLUS

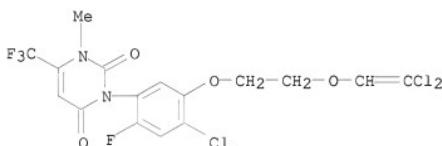
CN Benzenesulfonic acid, 4-chloro-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



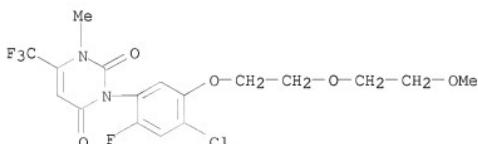
RN 114168-67-1 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(3,3-dichloro-2-propenyl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



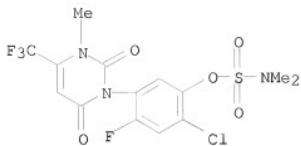
RN 114168-68-2 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[2-[(2,2-dichloroethenyl)oxy]ethoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 114168-69-3 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-(2-methoxyethoxy)ethoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

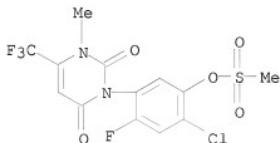


RN 114168-70-6 CAPLUS
 CN Sulfamic acid, dimethyl-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI) (CA INDEX NAME)



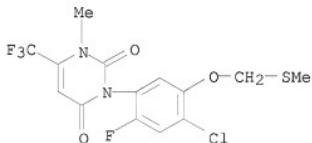
RN 114168-71-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(methylsulfonyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



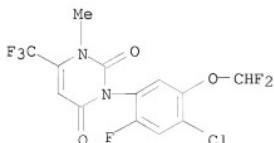
RN 114168-72-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(methylthio)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



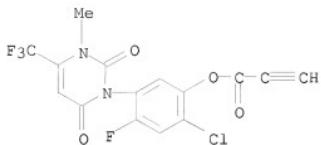
RN 114168-73-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-(difluoromethoxy)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



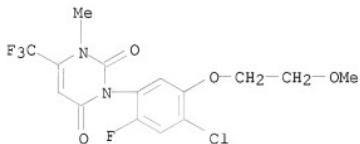
RN 114168-74-0 CAPLUS

CN 2-Propynoic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



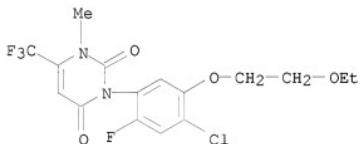
RN 114168-75-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-methoxyethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



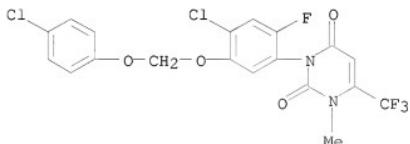
RN 114168-76-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-(2-ethoxyethoxy)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



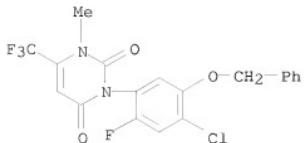
RN 114168-77-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4-chlorophenoxy)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

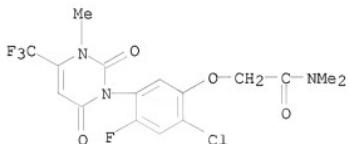


RN 114168-78-4 CAPLUS

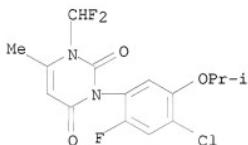
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(phenylmethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



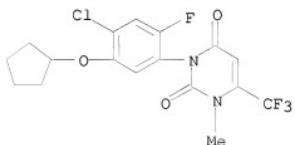
RN 114168-79-5 CAPLUS
 CN Acetamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N,N-dimethyl- (CA INDEX NAME)



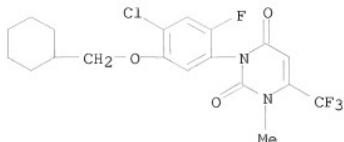
RN 114168-80-8 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1-(difluoromethyl)-6-methyl- (CA INDEX NAME)



RN 114168-81-9 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-(cyclopentyloxy)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

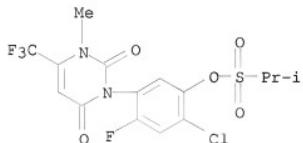


RN 114168-82-0 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-(cyclohexylmethoxy)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



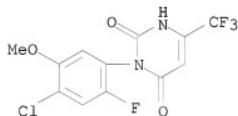
RN 114168-83-1 CAPLUS

CN 2-Propanesulfonic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



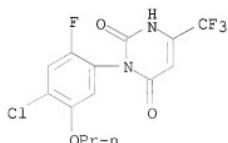
RN 114168-84-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-methoxyphenyl)-6-(trifluoromethyl)- (CA INDEX NAME)



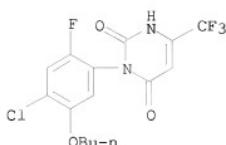
RN 114168-85-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-propoxyphenyl)-6-(trifluoromethyl)- (CA INDEX NAME)



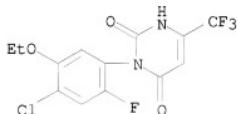
RN 114168-86-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(5-butoxy-4-chloro-2-fluorophenyl)-6-(trifluoromethyl)- (CA INDEX NAME)



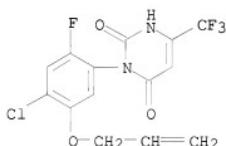
RN 114168-87-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-5-ethoxy-2-fluorophenyl)-6-(trifluoromethyl)- (CA INDEX NAME)



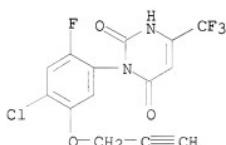
RN 114168-88-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propenyloxy)phenyl]-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



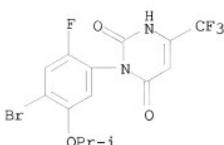
RN 114168-89-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propynyoxy)phenyl]-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



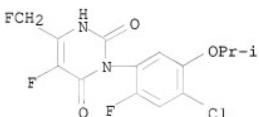
RN 114168-90-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-(1-methylethoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



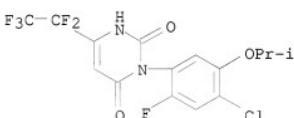
RN 114168-91-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-5-fluoro-6-(fluoromethyl)- (CA INDEX NAME)



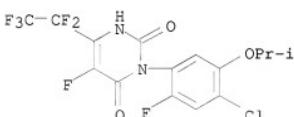
RN 114168-92-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-6-(pentafluoroethyl)- (9CI) (CA INDEX NAME)



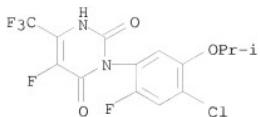
RN 114168-93-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-5-fluoro-6-(pentafluoroethyl)- (9CI) (CA INDEX NAME)

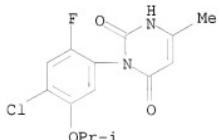


RN 114168-94-4 CAPLUS

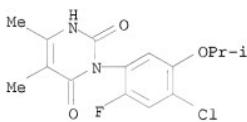
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-5-fluoro-6-(trifluoromethyl)- (CA INDEX NAME)



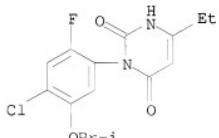
RN 114168-96-6 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-6-methyl- (CA INDEX NAME)



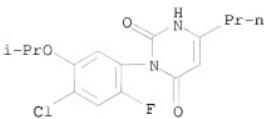
RN 114168-97-7 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-5,6-dimethyl- (CA INDEX NAME)



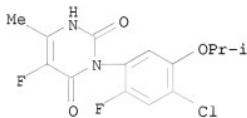
RN 114168-98-8 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-6-ethyl- (CA INDEX NAME)



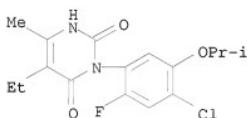
RN 114168-99-9 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-6-propyl- (CA INDEX NAME)



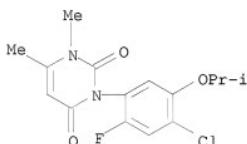
RN 114169-01-6 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-5-fluoro-6-methyl- (CA INDEX NAME)



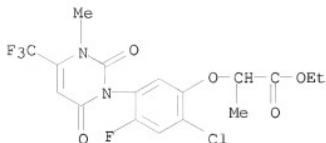
RN 114169-02-7 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-5-ethyl-6-methyl- (CA INDEX NAME)



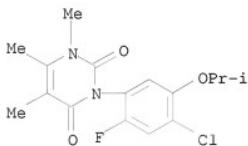
RN 114169-03-8 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1,6-dimethyl- (CA INDEX NAME)



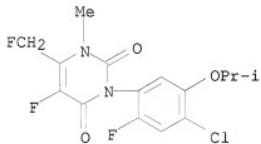
RN 114169-04-9 CAPLUS
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester (CA INDEX NAME)



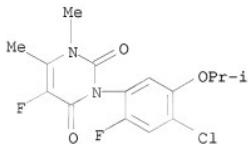
RN 114169-06-1 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1,5,6-trimethyl- (CA INDEX NAME)



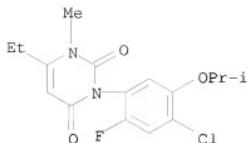
RN 114169-07-2 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-5-fluoro-6-(fluoromethyl)-1-methyl- (CA INDEX NAME)



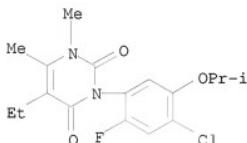
RN 114169-08-3 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-5-fluoro-1,6-dimethyl- (CA INDEX NAME)



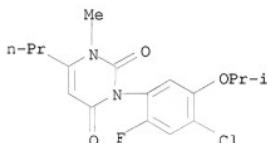
RN 114169-09-4 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-6-ethyl-1-methyl- (CA INDEX NAME)



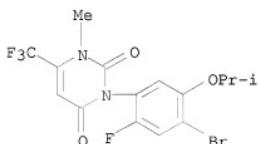
RN 114169-10-7 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-5-ethyl-1,6-dimethyl- (CA INDEX NAME)



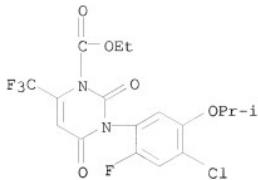
RN 114169-11-8 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1-methyl-6-propyl- (CA INDEX NAME)



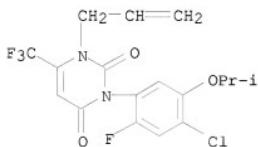
RN 114169-12-9 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-(1-methylethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



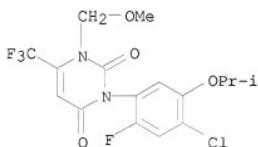
RN 114169-13-0 CAPLUS
 CN 1(2H)-Pyrimidinecarboxylic acid, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-3,4-dihydro-2,4-dioxo-6-(trifluoromethyl)-, ethyl ester (CA INDEX NAME)



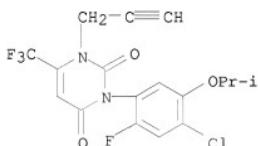
RN 114169-14-1 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1-(2-propenyl)-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



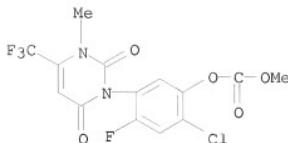
RN 114169-15-2 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1-(methoxymethyl)-6-(trifluoromethyl)- (CA INDEX NAME)



RN 114169-16-3 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1-(2-propynyl)-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

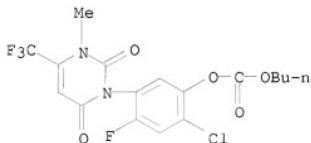


RN 114169-18-5 CAPLUS
 CN Carbonic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl methyl ester (CA INDEX NAME)



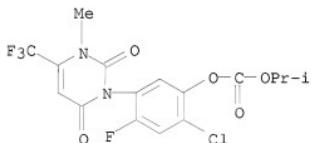
RN 114169-19-6 CAPLUS

CN Carbonic acid, butyl 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI) (CA INDEX NAME)



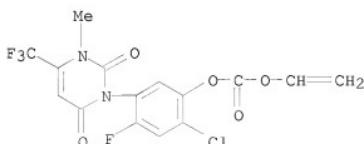
RN 114169-20-9 CAPLUS

CN Carbonic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl 1-methylethyl ester (CA INDEX NAME)



RN 114169-21-0 CAPLUS

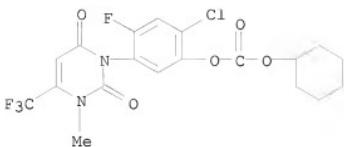
CN Carbonic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ethenyl ester (CA INDEX NAME)



RN 114169-22-1 CAPLUS

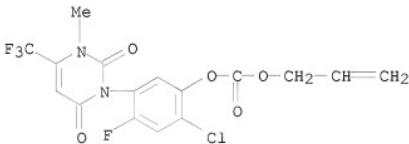
CN Carbonic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl cyclohexyl ester (CA

INDEX NAME)



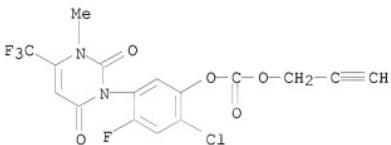
RN 114169-23-2 CAPLUS

CN Carbonic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl 2-propenyl ester (9CI)
(CA INDEX NAME)



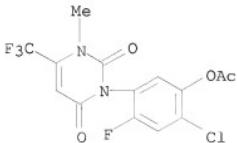
RN 114169-24-3 CAPLUS

CN Carbonic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl 2-propynyl ester (9CI)
(CA INDEX NAME)



RN 114169-25-4 CAPLUS

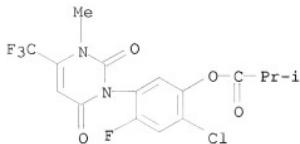
CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-(acetoxy)-4-chloro-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 114169-26-5 CAPLUS

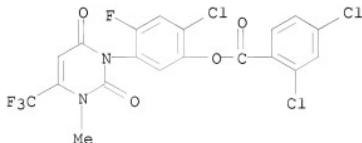
CN Propanoic acid, 2-methyl-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



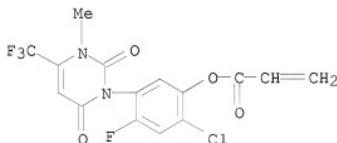
RN 114169-27-6 CAPLUS

CN Benzoic acid, 2,4-dichloro-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



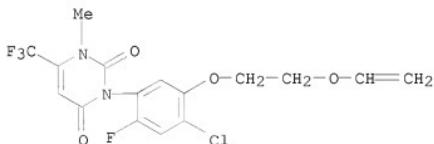
RN 114169-28-7 CAPLUS

CN 2-Propenoic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



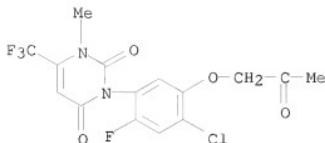
RN 114169-29-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[2-(ethenyl)ethoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

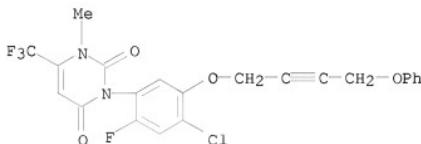


RN 114169-30-1 CAPLUS

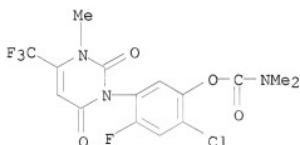
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-oxopropoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 114169-31-2 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(4-phenoxy-2-butynyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

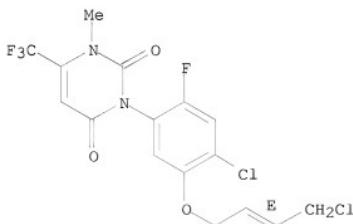


RN 114169-32-3 CAPLUS
 CN Carbamic acid, dimethyl-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI) (CA INDEX NAME)



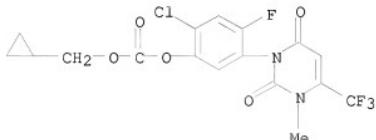
RN 114169-34-5 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4-chloro-2-butenoxy)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)-, (E)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



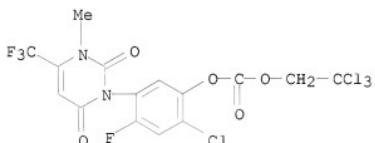
RN 114169-35-6 CAPLUS

CN Carbonic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl cyclopropylmethyl ester (CA INDEX NAME)



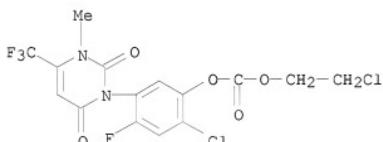
RN 114169-36-7 CAPLUS

CN Carbonic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl 2,2,2-trichloroethyl ester (CA INDEX NAME)



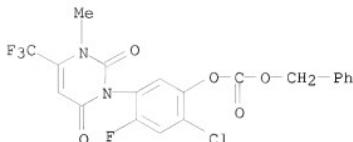
RN 114169-37-8 CAPLUS

CN Carbonic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl 2-chloroethyl ester (9CI) (CA INDEX NAME)

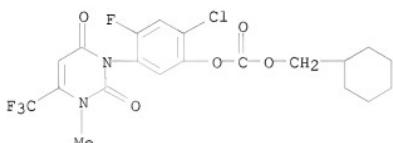


RN 114169-38-9 CAPLUS

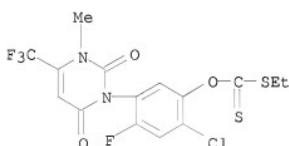
CN Carbonic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl phenylmethyl ester (CA INDEX NAME)



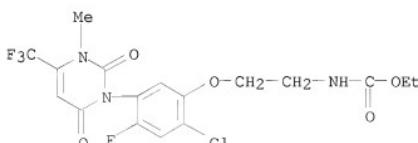
RN 114169-39-0 CAPLUS
 CN Carbonic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl cyclohexylmethyl ester (CA INDEX NAME)



RN 114169-40-3 CAPLUS
 CN Carbonodithioic acid, O-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl] S-ethyl ester (CA INDEX NAME)

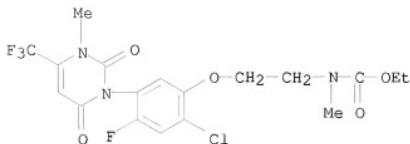


RN 114169-41-4 CAPLUS
 CN Carbamic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]ethyl]-, ethyl ester (9CI) (CA INDEX NAME)



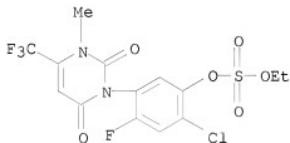
RN 114169-42-5 CAPLUS
 CN Carbamic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]ethyl]methyl-, ethyl

ester (9CI) (CA INDEX NAME)



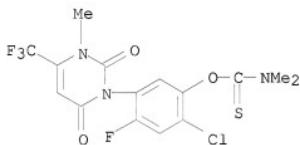
RN 114169-43-6 CAPLUS

CN Sulfuric acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ethyl ester (CA INDEX NAME)



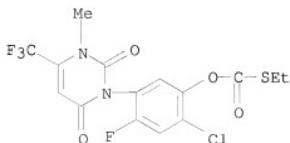
RN 114169-44-7 CAPLUS

CN Carbamothioic acid, dimethyl-, O-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl] ester (9CI) (CA INDEX NAME)



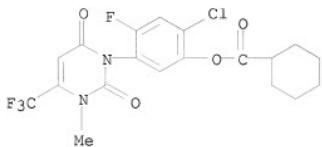
RN 114169-45-8 CAPLUS

CN Carbonothioic acid, O-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl] S-ethyl ester (CA INDEX NAME)



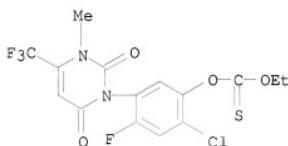
RN 114169-46-9 CAPLUS

CN Cyclohexanecarboxylic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



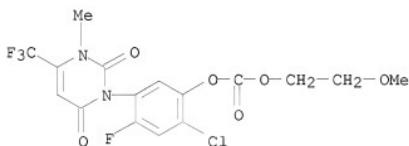
RN 114169-47-0 CAPLUS

CN Carbonothioic acid, O-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl] O-ethyl ester (CA INDEX NAME)



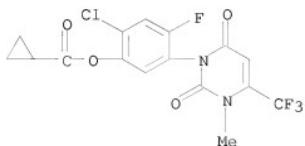
RN 114169-48-1 CAPLUS

CN Carbonic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl 2-methoxyethyl ester (CA INDEX NAME)



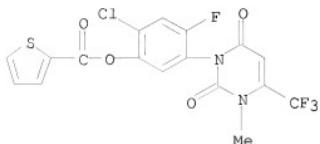
RN 114169-49-2 CAPLUS

CN Cyclopropanecarboxylic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



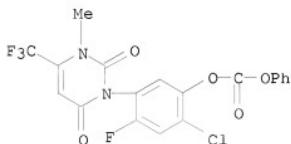
RN 114169-50-5 CAPLUS

CN 2-Thiophenecarboxylic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



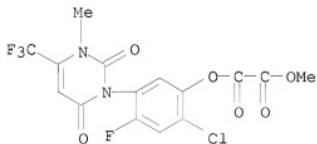
RN 114169-51-6 CAPLUS

CN Carbonic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl phenyl ester (CA INDEX NAME)



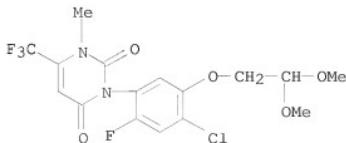
RN 114169-52-7 CAPLUS

CN Ethanedioic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl methyl ester (9CI)
(CA INDEX NAME)



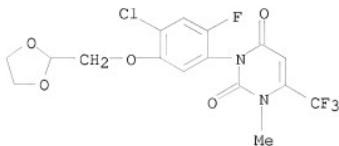
RN 114169-53-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-(2,2-dimethoxyethoxy)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



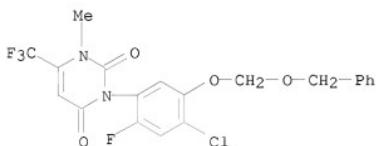
RN 114169-54-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-(1,3-dioxolan-2-ylmethoxy)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



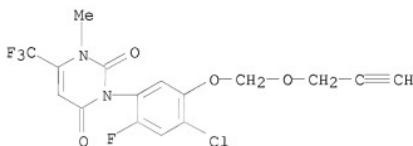
RN 114169-55-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(phenylmethoxy)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



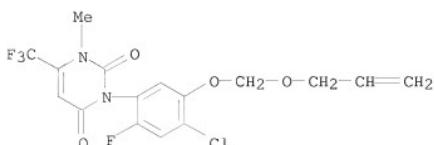
RN 114169-56-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-propynyoxy)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

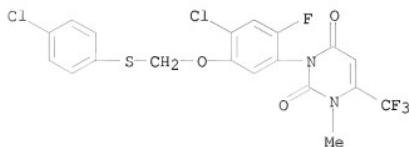


RN 114169-57-2 CAPLUS

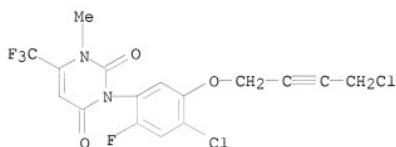
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-propenoxy)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



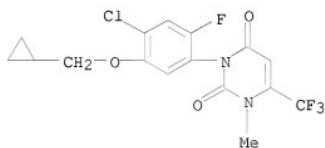
RN 114169-58-3 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4-chlorophenyl)thio]methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



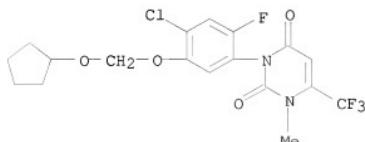
RN 114169-59-4 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4-chloro-2-butynyl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 114169-60-7 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-(cyclopropylmethoxy)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

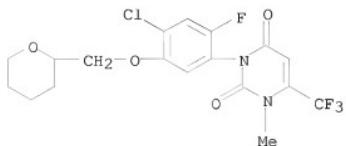


RN 114169-61-8 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(cyclopentyloxy)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



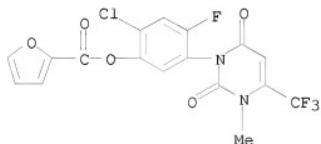
RN 114169-62-9 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(tetrahydro-2H-pyran-2-

yl)methoxyphenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



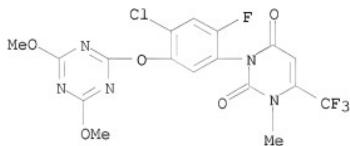
RN 114169-63-0 CAPLUS

CN 2-Furancarboxylic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



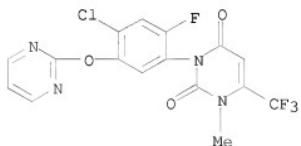
RN 114169-64-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4,6-dimethoxy-1,3,5-triazin-2-yl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



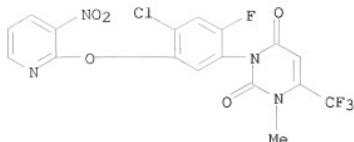
RN 114169-65-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-pyrimidinyl oxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

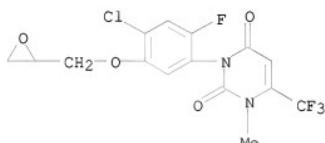


RN 114169-66-3 CAPLUS

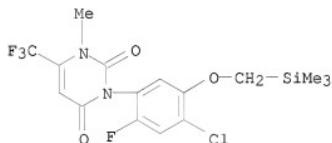
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(3-nitro-2-pyridinyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



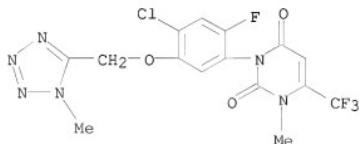
RN 114169-67-4 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(oxiranylmethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



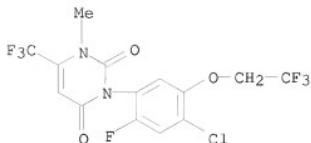
RN 114169-68-5 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(trimethylsilyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



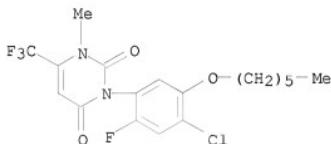
RN 114169-69-6 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(1-methyl-1H-tetrazol-5-yl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



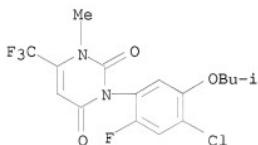
RN 114169-70-9 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2,2,2-trifluoroethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



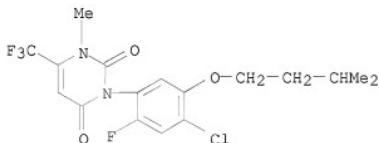
RN 114169-71-0 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(hexyloxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



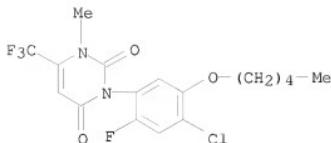
RN 114169-72-1 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-methylpropoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 114169-73-2 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(3-methylbutoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

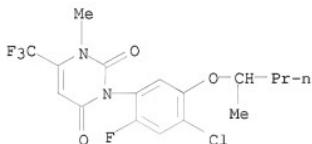


RN 114169-74-3 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(pentyloxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



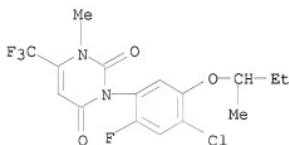
RN 114169-75-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylbutoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



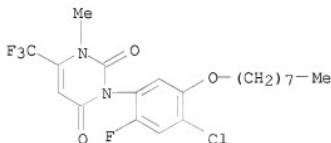
RN 114169-76-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylpropoxymethyl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



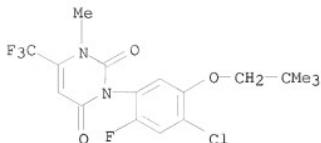
RN 114169-77-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(octyloxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

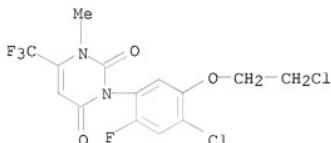


RN 114169-78-7 CAPLUS

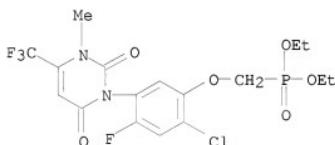
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2,2-dimethylpropoxymethyl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



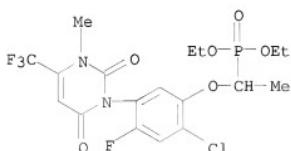
RN 114169-79-8 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-(2-chloroethoxy)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



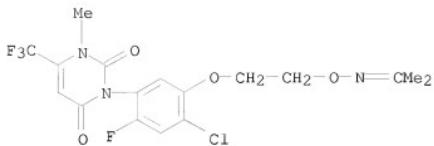
RN 114169-80-1 CAPLUS
 CN Phosphonic acid, {[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl}-, diethyl ester (9CI) (CA INDEX NAME)



RN 114169-81-2 CAPLUS
 CN Phosphonic acid, {1-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]ethyl}-, diethyl ester (9CI) (CA INDEX NAME)

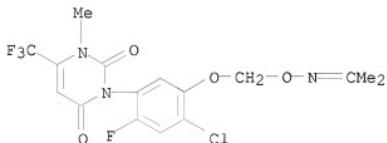


RN 114169-82-3 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-[(1-methylethylidene)amino]oxy]ethoxyphenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



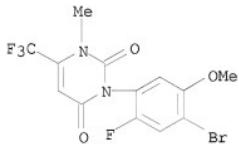
RN 114169-83-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(1-methylethylidene)amino]oxy]methoxyphenyl]-1-methyl-6-(trifluoromethyl)-
(CA INDEX NAME)



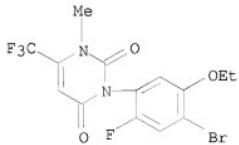
RN 114169-84-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-bromo-2-fluoro-5-methoxyphenyl)-1-methyl-6-(trifluoromethyl)-
(CA INDEX NAME)



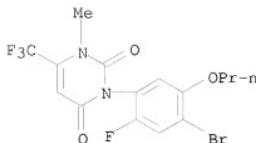
RN 114169-85-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-bromo-5-ethoxy-2-fluorophenyl)-1-methyl-6-(trifluoromethyl)-
(CA INDEX NAME)

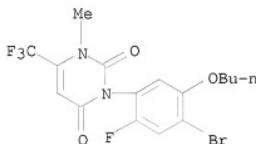


RN 114169-86-7 CAPLUS

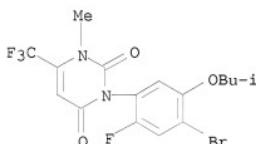
CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-bromo-2-fluoro-5-propoxymethyl)-1-methyl-6-(trifluoromethyl)-
(CA INDEX NAME)



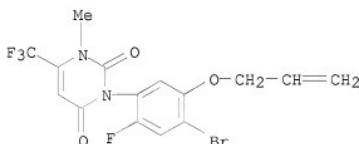
RN 114169-87-8 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-bromo-5-butoxy-2-fluorophenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



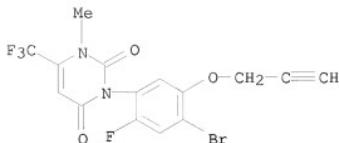
RN 114169-88-9 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-(2-methylpropoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



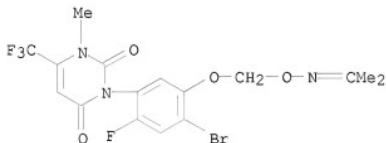
RN 114169-89-0 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-(2-propenyloxy)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



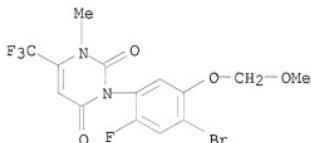
RN 114169-90-3 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-(2-propynyoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



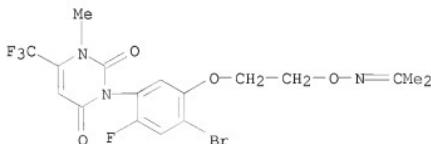
RN 114169-91-4 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-[(1-methylethylidene)amino]oxy]methoxyphenyl]-1-methyl-6-(trifluoromethyl)-
 (CA INDEX NAME)



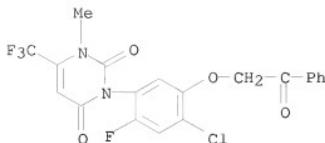
RN 114169-92-5 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-(methoxymethoxy)phenyl]-1-methyl-6-(trifluoromethyl)-
 (CA INDEX NAME)



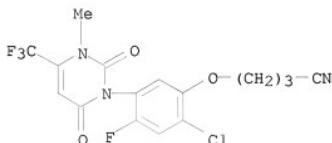
RN 114169-93-6 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-[(2-[(1-methylethylidene)amino]ethoxy)phenyl]-1-methyl-6-(trifluoromethyl)-
 (CA INDEX NAME)



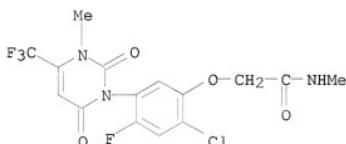
RN 114169-94-7 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-oxo-2-phenylethoxy)phenyl]-1-methyl-6-(trifluoromethyl)-
 (CA INDEX NAME)



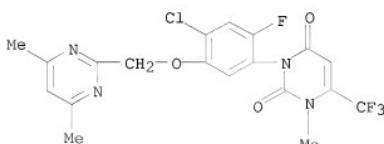
RN 114169-95-8 CAPLUS
 CN Butanenitrile, 4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



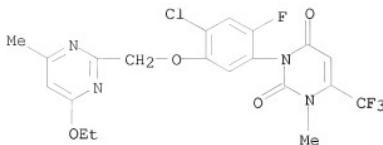
RN 114169-96-9 CAPLUS
 CN Acetamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-methyl- (CA INDEX NAME)



RN 114169-97-0 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4,6-dimethyl-2-pyrimidinyl)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

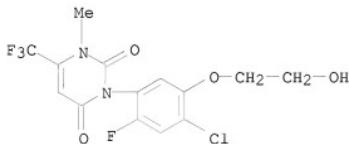


RN 114169-98-1 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4-ethoxy-6-methyl-2-pyrimidinyl)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



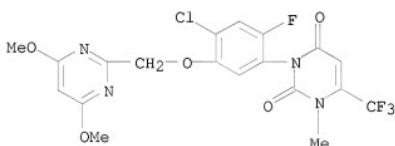
RN 114169-99-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-hydroxyethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



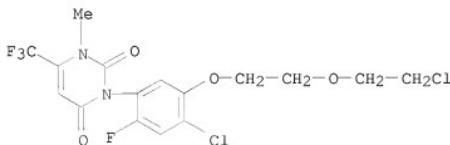
RN 114170-00-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4,6-dimethoxy-2-pyrimidinyl)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



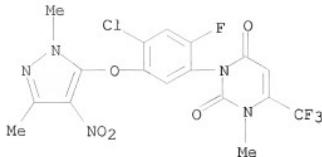
RN 114170-01-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[2-(2-chloroethoxy)ethoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

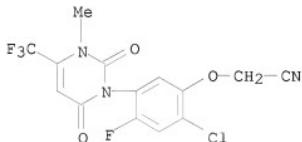


RN 114170-02-4 CAPLUS

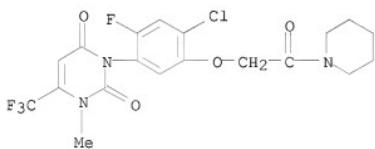
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(1,3-dimethyl-4-nitro-1H-pyrazol-5-yl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



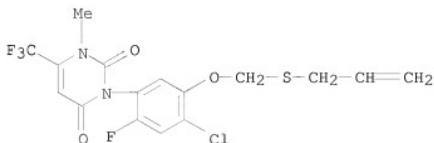
RN 114170-03-5 CAPLUS
 CN Acetonitrile, [2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (9CI) (CA INDEX NAME)



RN 114170-04-6 CAPLUS
 CN Piperidine, 1-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]acetyl]- (9CI) (CA INDEX NAME)

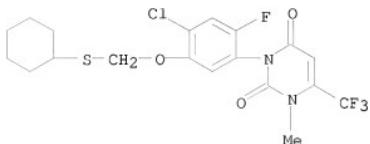


RN 114170-05-7 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-propenylthio)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



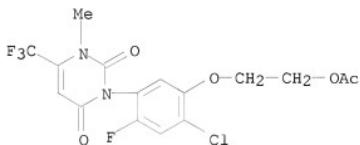
RN 114170-06-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(cyclohexylthio)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



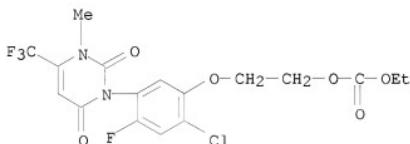
RN 114170-07-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-[2-(acetyloxy)ethoxy]-4-chloro-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



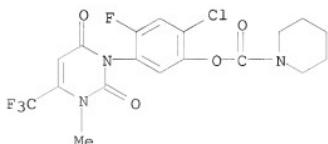
RN 114170-08-0 CAPLUS

CN Carbonic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]ethyl ethyl ester (CA INDEX NAME)



RN 114170-09-1 CAPLUS

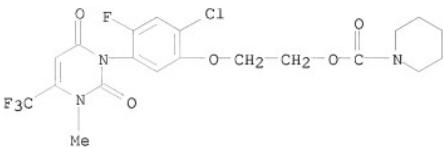
CN 1-Piperidinecarboxylic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



RN 114170-10-4 CAPLUS

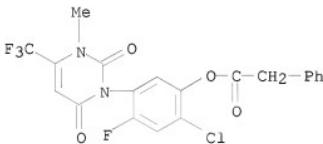
CN 1-Piperidinecarboxylic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-

4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxyethyl ester (CA INDEX NAME)



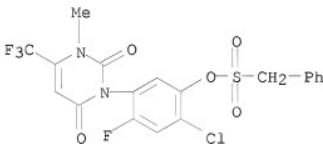
RN 114170-11-5 CAPLUS

CN Benzenoacetic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



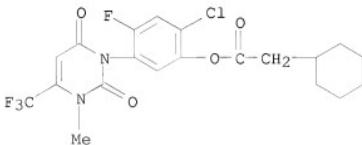
RN 114170-12-6 CAPLUS

CN Benzenemethanesulfonic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



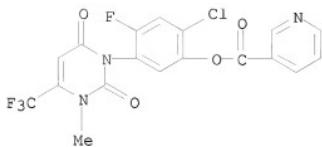
RN 114170-13-7 CAPLUS

CN Cyclohexaneacetic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



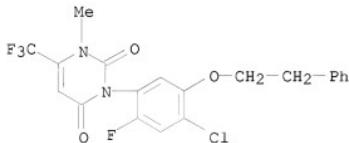
RN 114170-14-8 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



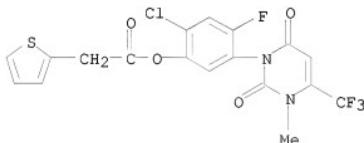
RN 114170-15-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-phenylethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



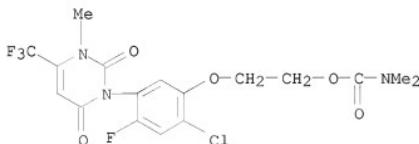
RN 114170-16-0 CAPLUS

CN 2-Thiopheneacetic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



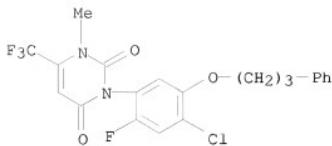
RN 114170-17-1 CAPLUS

CN Carbamic acid, dimethyl-, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]ethyl ester (9CI)
(CA INDEX NAME)



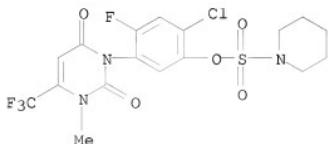
RN 114170-18-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(3-phenylpropoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



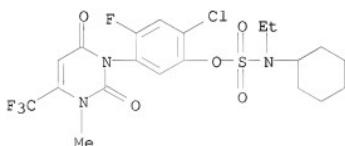
RN 114170-19-3 CAPLUS

CN 1-Piperidinesulfonic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



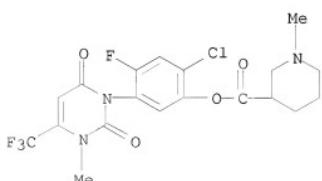
RN 114170-20-6 CAPLUS

CN Sulfamic acid, cyclohexylethyl-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI) (CA INDEX NAME)



RN 114170-21-7 CAPLUS

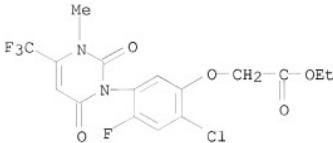
CN 3-Piperidinecarboxylic acid, 1-methyl-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



RN 114170-22-8 CAPLUS

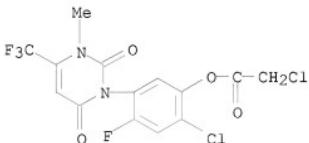
CN Acetic acid, [2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester (9CI)
(CA INDEX NAME)



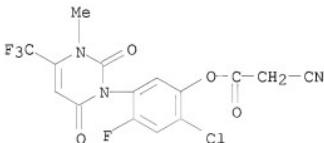
RN 114170-23-9 CAPLUS

CN Acetic acid, chloro-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI) (CA INDEX NAME)



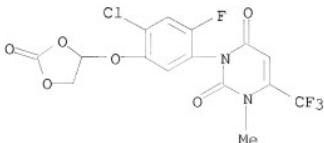
RN 114170-24-0 CAPLUS

CN Acetic acid, cyano-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI) (CA INDEX NAME)



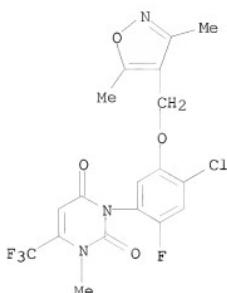
RN 114170-25-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-oxo-1,3-dioxolan-4-yl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



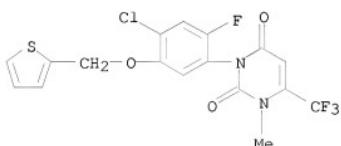
RN 114170-26-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(3,5-dimethyl-4-isoxazolyl)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



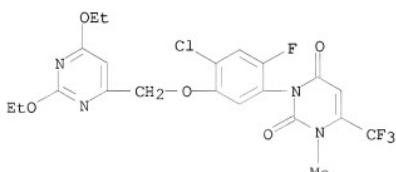
RN 114170-27-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-thienylmethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



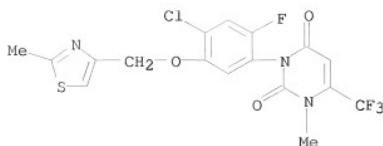
RN 114170-28-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(2,6-diethoxy-4-pyrimidinyl)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

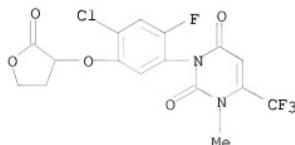


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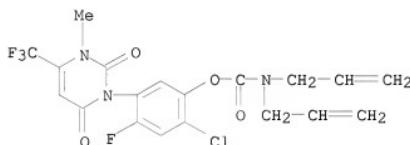
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-methyl-4-thiazolyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



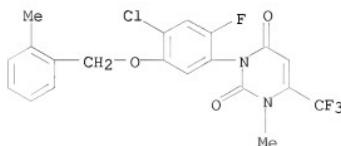
RN 114170-31-9 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(tetrahydro-2-oxo-3-furanyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



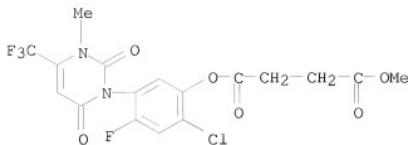
RN 114170-32-0 CAPLUS
 CN Carbanic acid, di-2-propenyl-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI) (CA INDEX NAME)



RN 114170-33-1 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-methylphenyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

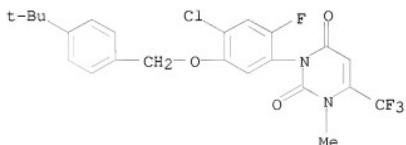


RN 114170-34-2 CAPLUS
 CN Butanedioic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl methyl ester (9CI) (CA INDEX NAME)



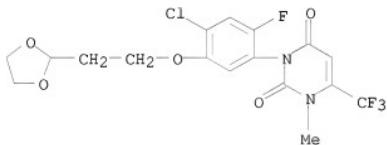
RN 114170-35-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4-(1,1-dimethylethyl)phenoxy)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)-
(CA INDEX NAME)



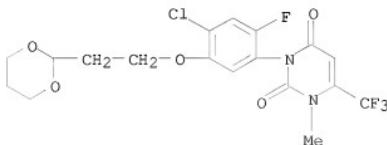
RN 114170-36-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(2-(1,3-dioxolan-2-yl)ethoxy)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)-
(CA INDEX NAME)



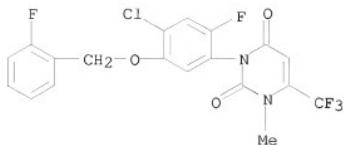
RN 114170-37-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(2-(1,3-dioxolan-2-yl)ethoxy)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)-
(CA INDEX NAME)

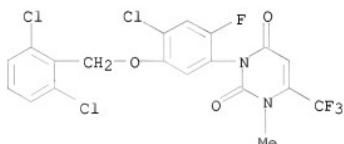


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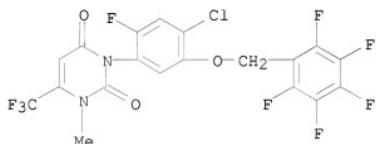
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-(1,3-dioxolan-2-yl)ethoxy)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)-
(CA INDEX NAME)



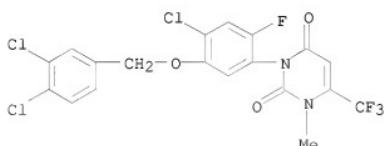
RN 114170-39-7 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(2,6-dichlorophenyl)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



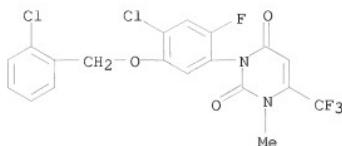
RN 114170-40-0 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(pentafluorophenyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI)
 (CA INDEX NAME)



RN 114170-41-1 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(3,4-dichlorophenyl)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

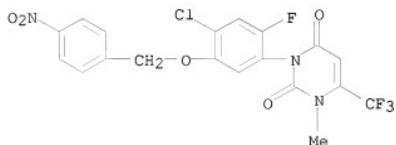


RN 114170-42-2 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(2-chlorophenyl)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



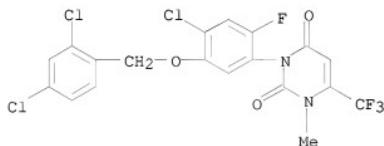
RN 114170-43-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(4-nitrophenyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



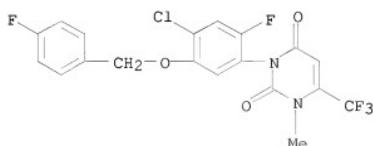
RN 114170-44-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(2,4-dichlorophenyl)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



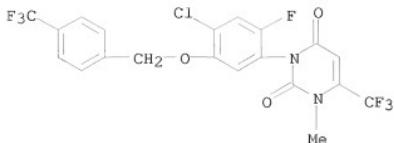
RN 114170-45-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(4-fluorophenyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

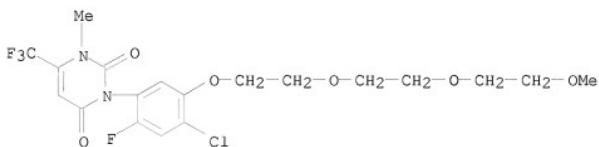


RN 114170-46-6 CAPLUS

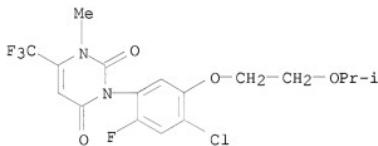
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(trifluoromethyl)phenyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



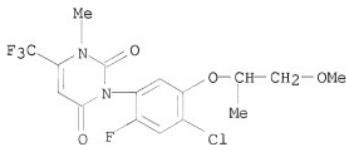
RN 114170-47-7 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-(2-methoxyethoxy)ethoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



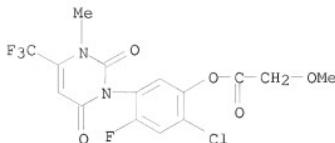
RN 114170-48-8 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-(1-methylethoxy)ethoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



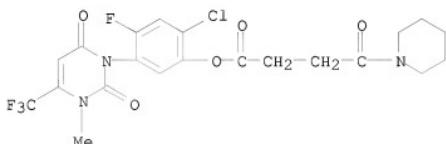
RN 114170-49-9 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-methoxy-1-methylethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



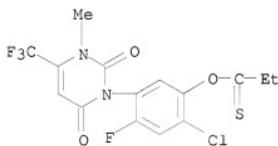
RN 114170-50-2 CAPLUS
 CN Acetic acid, methoxy-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (9CI) (CA INDEX NAME)



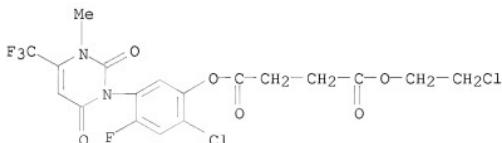
RN 114170-51-3 CAPLUS
 CN 1-Piperidinebutanoic acid, γ -oxo-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)



RN 114170-52-4 CAPLUS
 CN Propanethioic acid, O-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl] ester (9CI) (CA INDEX NAME)

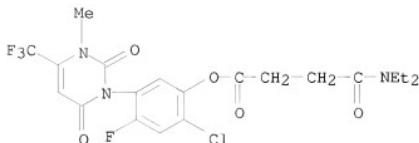


RN 114170-53-5 CAPLUS
 CN Butanedioic acid, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl 2-chloroethyl ester (9CI) (CA INDEX NAME)



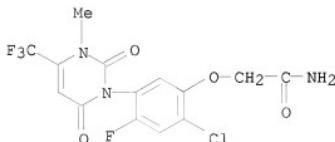
RN 114170-54-6 CAPLUS
 CN Butanoic acid, 4-(diethylamino)-4-oxo-, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl ester (CA INDEX NAME)

INDEX NAME)



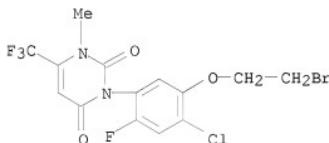
RN 114183-68-5 CAPLUS

CN Acetamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



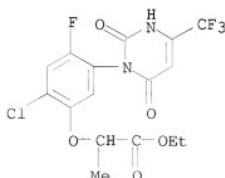
RN 114190-14-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-(2-bromoethoxy)-4-chloro-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 114190-15-7 CAPLUS

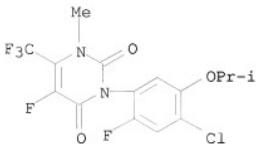
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester (CA INDEX NAME)



RN 114190-16-8 CAPLUS

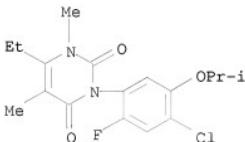
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-

5-fluoro-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 114190-17-9 CAPLUS

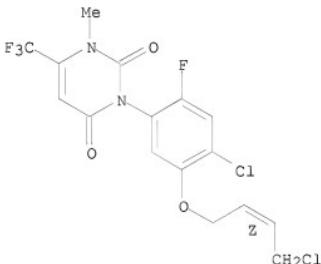
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-6-ethyl-1,5-dimethyl- (CA INDEX NAME)



RN 114190-18-0 CAPLUS

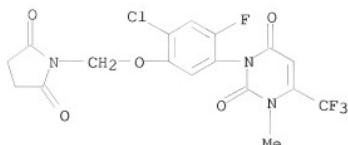
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4-chloro-2-butenyl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)-, (Z)- (9CI) (CA INDEX NAME)

Double bond geometry as shown.



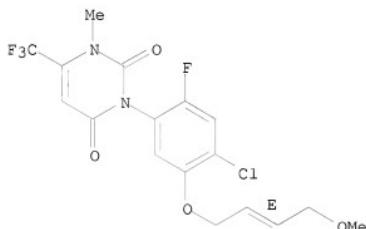
RN 114190-19-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(2,5-dioxo-1-pyrrolidinyl)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

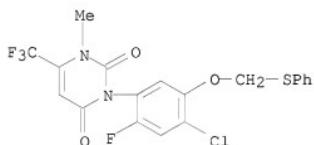


RN 114190-20-4 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(4-methoxy-2-butene)oxy]phenyl]-1-methyl-6-(trifluoromethyl)-, (E)- (9CI) (CA INDEX NAME)

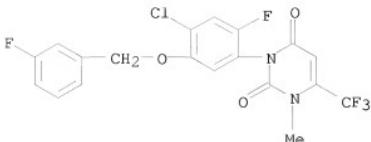
Double bond geometry as shown.



RN 114190-21-5 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(phenylthio)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 114190-22-6 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(3-fluorophenyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



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NEWS 4 AUG 13	CA/Caplus enhanced with additional kind codes for granted patents
NEWS 5 AUG 20	CA/Caplus enhanced with CAS indexing in pre-1907 records
NEWS 6 AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS 7 AUG 27	USPATOLD now available on STN
NEWS 8 AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data
NEWS 9 SEP 07	STN AnaVist, Version 2.0, now available with Derwent World Patents Index
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NEWS 13 SEP 17	Caplus coverage extended to include traditional medicine patents
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NEWS 15 OCT 02	CA/Caplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS 16 OCT 19	BEILSTEIN updated with new compounds
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NEWS 20 DEC 04	LINPADOCDB now available on STN
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NEWS 22 DEC 17	USPATOLD added to additional database clusters
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NEWS 28 DEC 17 STN Viewer enhanced with full-text patent content from USPATOLD
NEWS 29 JAN 02 STN pricing information for 2008 now available
NEWS 30 JAN 16 CAS patent coverage enhanced to include exemplified prophetic substances

NEWS EXPRESS 19 SEPTEMBER 2007: CURRENT WINDOWS VERSION IS V8.2, CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP), AND CURRENT DISCOVER FILE IS DATED 19 SEPTEMBER 2007.

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                                ENTRY        SESSION
FULL ESTIMATED COST          0.21          0.21

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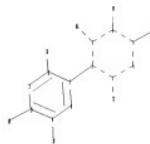
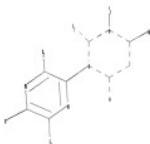
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ring nodes :

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chain bonds :

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exact bonds :
10-18
normalized bonds :
7-8 7-12 8-9 9-10 10-11 11-12

G1:O,S

G2:H,X

G3:H,Ak

G4:O,S,Hy

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:Atom 9:Atom 10:Atom
11:Atom 12:Atom 13:CLASS 14:CLASS 16:CLASS 18:CLASS 19:CLASS 21:CLASS
22:CLASS

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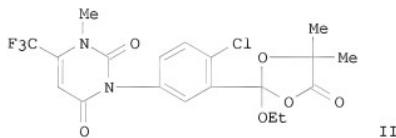
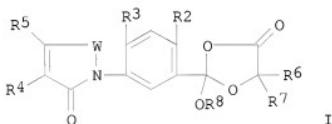
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L3 91 L2

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L3 ANSWER 72 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
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DOCUMENT NUMBER: 122:81012
TITLE: 3-aryluracil derivatives and their use as herbicides
INVENTOR(S): Wenger, Jean
PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.
SOURCE: PCT Int. Appl., 45 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9424128	A1	19941027	WO 1994-EP1109	19940411
W: AU, BB, BG, BR, BY, CA, CN, CZ, FI, GE, HU, JP, KG, KP, KR, KZ, LK, LV, MD, MG, MN, MW, NO, NZ, PL, RO, RU, SD, SI, SK, TJ, TT, UA, US, UZ, VN				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BE, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2136647	A1	19941027	CA 1994-2136647	19940411
AU 9466773	A	19941108	AU 1994-66773	19940411
EP 647225	A1	19950412	EP 1994-914358	19940411
R: CH, DE, FR, GB, IT, LI				
JP 07508536	T	19950921	JP 1994-522719	19940411
HU 70582	A2	19951030	HU 1995-177	19940411
RO 110498	B1	19960130	RO 1994-2045	19940411
BR 9405209	A	19990831	BR 1994-5209	19940411
ZA 9402715	A	19941026	ZA 1994-2715	19940420
US 5599771	A	19970204	US 1994-347392	19941216
PRIORITY APPLN. INFO.:			CH 1993-1207	A 19930421
OTHER SOURCE(S):	MARPAT	122:81012	WO 1994-EP1109	W 19940411
GI				



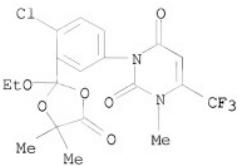
AB The title compds., 3-[(oxodioxolanyl)phenyl]uracils I (R2 = halo, cyano; R3 = H, F; R4 = H, halo, alkyl; R5 = alkyl, haloalkyl; R6, R7 = H, alkyl, alkenyl, etc.; R8 = alkyl, cyanoalkyl, etc.; W = amido linking group, imino linking group) were disclosed as herbicides. An example compound, the [(oxodioxolanyl)phenyl]uracil [i.e., the 3-[4-chloro-3-[(2-ethoxy-4-oxo-5,5-dimethyl-1,3-dioxolan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)-2,4(1H,3H)-pyrimidinedione] II was prepared

IT 160152-70-5P 160152-74-9P 160152-75-0P
 160152-76-1P 160152-77-2P 160152-78-3P
 160152-79-4P 160152-80-7P 160152-81-8P
 160152-82-9P 160152-83-0P 160152-84-1P
 160152-85-2P 160152-86-3P 160152-87-4P
 160152-88-5P 160152-89-6P 160152-90-9P

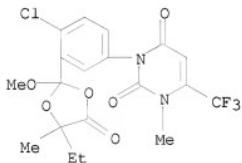
RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of [(oxodioxolanyl)phenyl]uracils herbicides)

RN 160152-70-5 CAPLUS

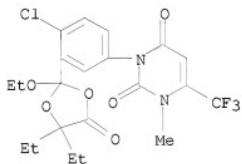
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2-ethoxy-4,4-dimethyl-5-oxo-1,3-dioxolan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



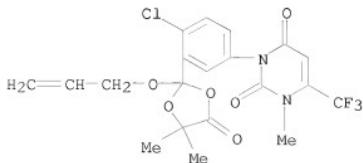
RN 160152-74-9 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(4-ethyl-2-methoxy-4-methyl-1,3-dioxolan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 160152-75-0 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2-ethoxy-4,4-diethyl-5-oxo-1,3-dioxolan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

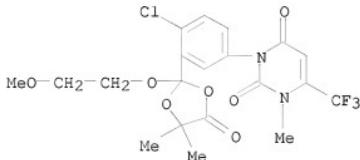


RN 160152-76-1 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[4,4-dimethyl-5-oxo-2-(2-propenyl)oxy]-1,3-dioxolan-2-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI)
 (CA INDEX NAME)



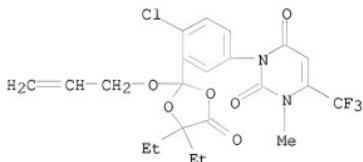
RN 160152-77-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[2-(2-methoxyethoxy)-4,4-dimethyl-5-oxo-1,3-dioxolan-2-yl]phenyl]-1-methyl-6-(trifluoromethyl)-(CA INDEX NAME)



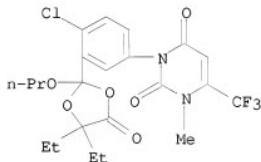
RN 160152-78-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[4,4-diethyl-5-oxo-2-(2-propenyl)oxy]-1,3-dioxolan-2-yl]phenyl]-1-methyl-6-(trifluoromethyl)-(9CI)(CA INDEX NAME)



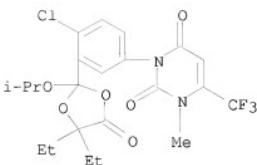
RN 160152-79-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(4,4-diethyl-5-oxo-2-propoxy-1,3-dioxolan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)-(CA INDEX NAME)



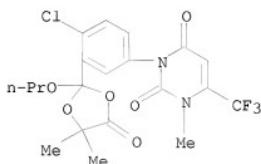
RN 160152-80-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[4,4-diethyl-2-(1-methylethoxy)-5-oxo-1,3-dioxolan-2-yl]phenyl]-1-methyl-6-(trifluoromethyl)-(CA INDEX NAME)



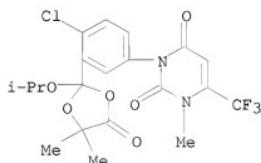
RN 160152-81-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(4,4-dimethyl-5-oxo-2-propoxy-1,3-dioxolan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



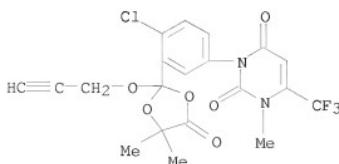
RN 160152-82-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[4,4-dimethyl-2-(1-methylethoxy)-5-oxo-1,3-dioxolan-2-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

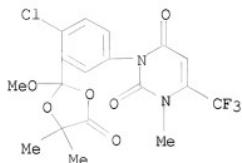


RN 160152-83-0 CAPLUS

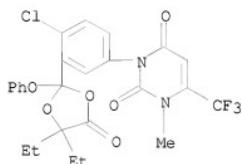
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[4,4-dimethyl-5-oxo-2-(2-propynyl)oxy-1,3-dioxolan-2-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



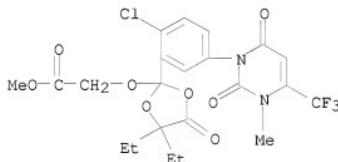
RN 160152-84-1 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2-methoxy-4,4-dimethyl-5-oxo-1,3-dioxolan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



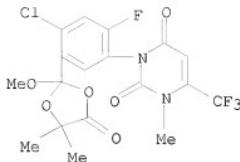
RN 160152-85-2 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(4,4-diethyl-5-oxo-2-phenoxy-1,3-dioxolan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 160152-86-3 CAPLUS
CN Acetic acid, [[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-4,4-diethyl-5-oxo-1,3-dioxolan-2-yl]oxy]-, methyl ester (9CI) (CA INDEX NAME)

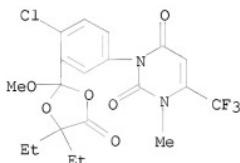


RN 160152-87-4 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-methoxy-4,4-dimethyl-5-oxo-1,3-dioxolan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



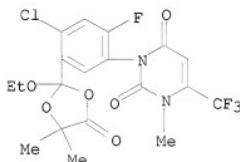
RN 160152-88-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(4,4-diethyl-2-methoxy-5-oxo-1,3-dioxolan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



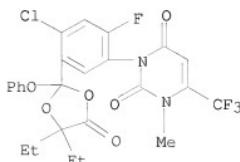
RN 160152-89-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-(2-ethoxy-4,4-dimethyl-5-oxo-1,3-dioxolan-2-yl)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 160152-90-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-(4,4-diethyl-5-oxo-2-phenoxy-1,3-dioxolan-2-yl)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



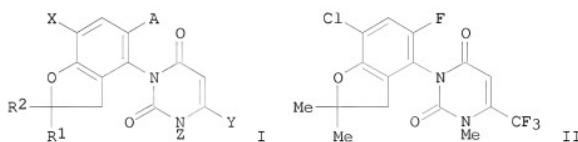
L3 ANSWER 73 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1995:219131 CAPLUS
DOCUMENT NUMBER: 122:133209
TITLE: Preparation of 1-(benzofuranyl)-2,6-pyrimidinediones
as herbicides
INVENTOR(S): Takemura, Susumu; Takano, Minoru; Kizawa, Satoru;
Saito, Kazuo
PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 40 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 617033	A1	19940928	EP 1994-104098	19940316
EP 617033	B1	19980812		
R: AT, CH, DE, ES, FR, GB, GR, IT, LI				
JP 06321941	A	19941122	JP 1994-40018	19940310
US 5411935	A	19950502	US 1994-208516	19940310
US 5476834	A	19951219	US 1994-208570	19940310
RU 2125993	C1	19990210	RU 1994-8619	19940314
CA 2119047	A1	19940918	CA 1994-2119047	19940315
ZA 9401848	A	19940919	ZA 1994-1848	19940316
AU 9457848	A	19940922	AU 1994-57848	19940316
AU 676256	B2	19970306		
BR 9401188	A	19941101	BR 1994-1188	19940316
AT 169623	T	19980815	AT 1994-104098	19940316
ES 2119919	T3	19981016	ES 1994-104098	19940316
CN 1092774	A	19940928	CN 1994-103149	19940317
CN 1053903	B	20000628		
CN 1235969	A	19991124	CN 1999-102089	19990306
PRIORITY APPLN. INFO.:			JP 1993-57216	A 19930317

PRIORITY APPLN. INFO.:

OTHER SOURCE(S): CASREACT 122:133209; MARPAT 122:133209

GT



AB New (benzofuranyl)-2,6-pyrimidinediones I (A, X = H, halo, etc.; Z = Me, amino; R1 - H, alkyl, etc.; R2 = alkyl, haloalkyl, etc.) were disclosed as herbicides. An example compound, 1-(7-chloro-5-fluoro-2,2-dimethyl-4-benzofuranyl)-3-methyl-4-(trifluoromethyl)-2,6-pyrimidinedione (II) was prepared.

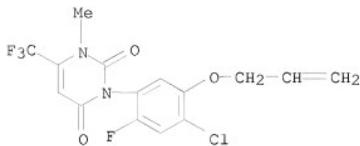
IT 114168-61-5 159333-13-8

RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of (benzofuranyl)pyrimidinediones herbicides)

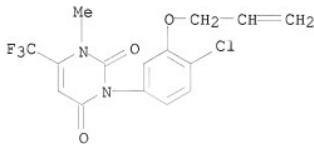
RN 114168-61-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propenyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 159333-13-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2-propenyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

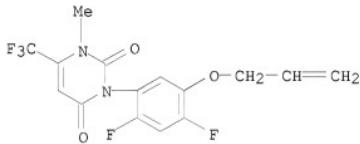


IT 159333-11-6P 159333-12-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of (benzofuranyl)pyrimidinediones herbicides)

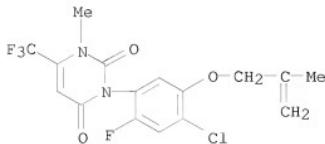
RN 159333-11-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-difluoro-5-(2-propenyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

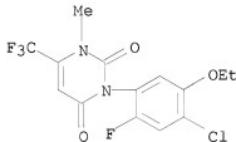


RN 159333-12-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-methyl-2-propenyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



L3 ANSWER 74 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1994:156539 CAPLUS
 DOCUMENT NUMBER: 120:156539
 TITLE: Ethane formation by peroxidizing herbicides
 AUTHOR(S): Boeger, Peter; Nicolaus, Beate
 CORPORATE SOURCE: Univ. Konstanz, Konstanz, D-7750, Germany
 SOURCE: Target Assays Mod. Herbic. Relat. Phytotoxic Compd.
 (1993), 51-60. Editor(s): Boeger, Peter; Sandmann,
 Gerhard. Lewis: Boca Raton, Fla.
 CODEN: 59RDAI
 DOCUMENT TYPE: Conference
 LANGUAGE: English
 AB Using Scenedesmus cultures, ethane formation induced by peroxidizers can be quant. correlated with other cell data like growth impairment or chlorophyll bleaching. Soybean cells do not grow as rapidly as Scenedesmus. These 2 systems as appropriate with preference to Scenedesmus. The cress seedlings system is not recommended for a quant. evaluation. This is due to the unavoidable handling of seedlings before the incubation experiment
 IT 114168-56-8
 RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study)
 (ethane formation by, in Scenedesmus cultures, soybean cells in relation to)
 RN 114168-56-8 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-5-ethoxy-2-fluorophenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

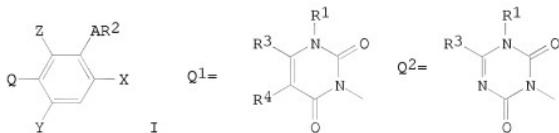


L3 ANSWER 75 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1994:54550 CAPLUS
 DOCUMENT NUMBER: 120:54550
 TITLE: Phenylpyrimidinedione and phenyltriazinedione herbicides
 INVENTOR(S): Amuti, Kofi Sam; Hong, Wonpyo; Semple, Joseph Edward
 du Pont de Nemours, E. I., and Co., USA
 PATENT ASSIGNEE(S): PCT Int. Appl., 128 pp.
 SOURCE: CODEN: PIXDZ
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9314073	A1	19930722	WO 1992-US11330	19921230
W: AU, BB, BG, BR, CA, CS, FI, HU, JP, KP, KR, LK, MG, MN, MW, NO, NZ, PL, RO, RU, SD, UA, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE,				

BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG			
AU 9334271	A 19930803	AU 1993-34271	19921230
EP 623117	A1 19941109	EP 1993-902843	19921230
R: DE, ES, FR, GB, IT, PT			
BR 9207072	A 19951205	BR 1992-7072	19921230
IL 104388	A 19990509	IL 1993-104388	19930114
CN 1074441	A 19930721	CN 1993-100434	19930115
ZA 9300272	A 19940715	ZA 1993-2'2	19930115
US 5602077	A 19970211	US 1994-256339	19940713
PRIORITY APPLN. INFO.:		US 1992-821118	A2 19920115
		WO 1992-US11330	A 19921230

OTHER SOURCE(S): MARPAT 120:54550
GI



AB The title compds. I [A = O, S; Q = Q1, Q2; R1 = (un)substituted C1-4 alkyl, (un)substituted C3-6 alkenyl or C3-6 alkanyl, C2-6 alkanoyl; R3 = C1-4 alkyl, C1-4 haloalkyl, NMe2; R4 = H, halogen; R2 = H, iso-Pr, allyl, propargyl, CH(CH₃)C.tpbond.CH, PhCH₂, etc.; X = Cl, Br; Y = F, Cl; Z = H; ZR2 = CH₂CHR9 such that the linking A atom is attached to the methine C; R9 = C1-3 alkyl, C1-3 haloalkyl, cyclopropyl, vinyl, CN, etc.], which demonstrate preemergent and postemergent herbicidal activity, and which are useful for controlling undesired species in crop fields, including plantation and specialty crops, are prepared. Thus, 3-[4-chloro-2-fluoro-5-(hydroxyphenyl)-1-methyl-6-(trifluoromethyl)-2,4-(1H,3H)-pyrimidinedione with condensed with propargyl bromide, producing 3-[4-chloro-2-fluoro-5-[(2-propynyl)oxyphenyl]-1-methyl-6-(trifluoromethyl)-2,4-(1H,3H)-pyrimidinedione, which demonstrated preemergent and postemergent herbicidal activity against a wide variety of plant species.

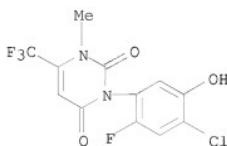
IT
114136-60-6P 114168-58-0P 114168-61-5P
114168-78-4P 114168-89-7P 151856-48-3P
151856-56-3P 151856-57-4P

RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)

(preparation and herbicidal activity of)

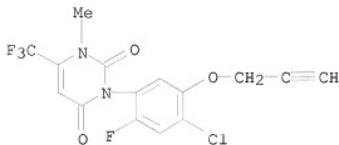
RN 114136-60-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



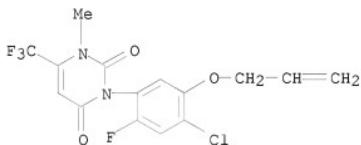
RN 114168-58-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propynyloxy)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



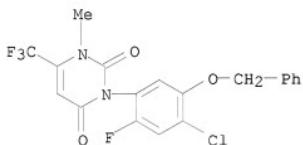
RN 114168-61-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propenyloxy)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



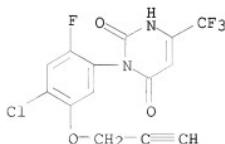
RN 114168-78-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(phenylmethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



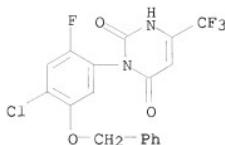
RN 114168-89-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propynyloxy)phenyl]-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



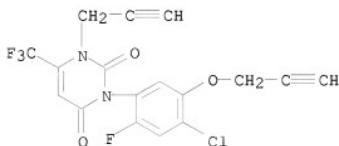
RN 151856-48-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(phenylmethoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



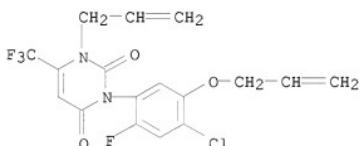
RN 151856-56-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propynyloxy)phenyl]-1-(2-propynyl)-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 151856-57-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propenyl)-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

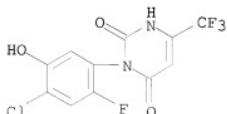


IT 114136-62-8

RL: RCT (Reactant); RACT (Reactant or reagent)
(reaction of, in preparation of herbicides)

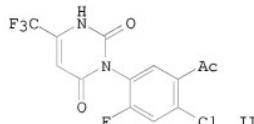
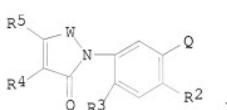
RN 114136-62-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-hydroxyphenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



DOCUMENT NUMBER: 119:160313
 TITLE: Preparation of 3-aryluracils as herbicides
 INVENTOR(S): Wenger, Jean; Winternitz, Paul; Zeller, Martin
 PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.
 SOURCE: Eur. Pat. Appl., 59 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 542685	A1	19930519	EP 1992-810853	19921104
R: AT, BE, CH, US 5336663	DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, NL, PT, SE			
JP 05294920	A	19940809	US 1992-971445	19921104
	A	19931109	JP 1992-328756	19921113
PRIORITY APPLN. INFO.:			CH 1991-3302	A 19911113
OTHER SOURCE(S):	MARPAT	119:160313		
GI				



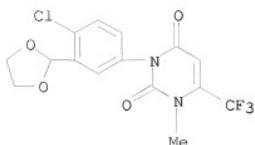
AB Title compds. [I; w = NR1Co, N:COR13; R1 = H, (halo)alkyl, alkenyl, alkynyl; R2 = halo, cyano, R3 = H, halo, alkyl; R4 = (halo)alkyl; R5 = (CH2)n; n = 3,4; R13 = alkyl, alkenyl, alkynyl; Q = COR6, CR6:NOR7, (R6:NNR8R9, etc.; R6 = H, (cyclo)alkyl, cycloalkylalkyl; R7 V H, (cyclo)alkyl, alkenyl, alkynyl, (substituted) Ph, PhCH2], were prepared. Thus, Et 3-amino-4,4,4-trifluorocrotonate was stirred with NaH in DMF at -10°; the mixture was cooled to -40° and treated with 3-acetyl-4-chloro-6-fluorophenylisocyanate (preparation given) to give title compound II. Several I at 1 kg/ha postemergent gave complete control of chenopodium, Sinapis, and Galium.

IT 149045-47-6P 149914-67-0P 149914-68-1P
 149914-69-2P 149914-72-7P 149914-73-8P
 149914-74-9P 149914-77-2P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of, as herbicide)

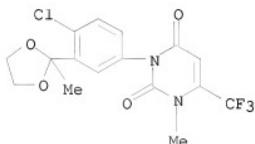
RN 149045-47-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(1,3-dioxolan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



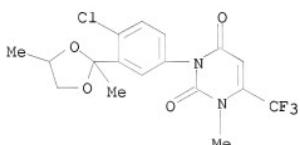
RN 149914-67-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2-methyl-1,3-dioxolan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



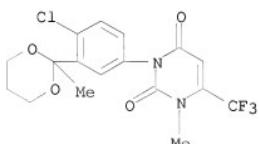
RN 149914-68-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2,4-dimethyl-1,3-dioxolan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



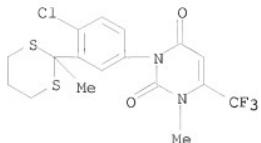
RN 149914-69-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2-methyl-1,3-dithian-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

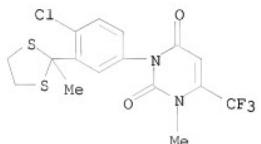


RN 149914-72-7 CAPLUS

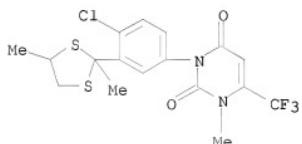
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2-methyl-1,3-dithian-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



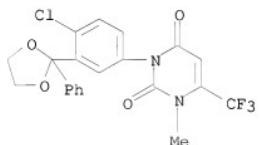
RN 149914-73-8 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2-methyl-1,3-dithiolan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 149914-74-9 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2,4-dimethyl-1,3-dithiolan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 149914-77-2 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2-phenyl-1,3-dioxolan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



L3 ANSWER 77 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1993:517271 CAPLUS
 DOCUMENT NUMBER: 119:117271
 TITLE: Preparation of 3-phenyluracils as herbicides,
 defoliants, and insecticides

INVENTOR(S):

Klitz, Ralf; Schaefer, Peter; Hamprecht, Gerhard;
 Heistracher, Elisabeth; Wolf, Hans Josef; Westphalen,
 Karl Otto; Gerber, Matthias; Kardorff, Uwe; Walter,
 Helmut; Grossmann, Klaus

PATENT ASSIGNEE(S):

BASF A.-G., Germany
 Ger. Offen., 271 pp.

SOURCE:

CODEN: GWXBXA

DOCUMENT TYPE:

Patent

LANGUAGE:

German

FAMILY ACC. NUM. COUNT:

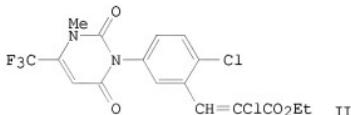
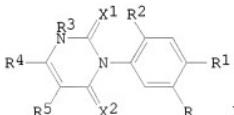
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PATENT INFORMATION:

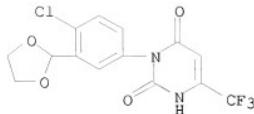
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4131038	A1	19930401	DE 1991-4131038	19910920
WO 9306090	A1	19930401	WO 1992-EP2088	19920910
W: BR, CA, HU, JP, KR, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, SE				
EP 604491	A1	19940706	EP 1992-919190	19920910
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, NL				
BR 9206518	A	19950425	BR 1992-6518	19920910
HU 70880	A2	19951128	HU 1994-801	19920910
JP 3253299	B2	20020204	JP 1993-505745	19920910
ZA 9207153	A	19940318	ZA 1992-7153	19920918
US 6239074	B1	20010529	US 1997-774722	19970103
US 2001031865	A1	20011018	US 2000-733554	20001204
PRIORITY APPLN. INFO.:			DE 1991-4131038	A 19910920
			WO 1992-EP2088	W 19920910
			US 1994-211067	B1 19940318
			US 1997-774722	A3 19970103

OTHER SOURCE(S):
 GI

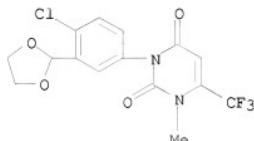
MARPAT 119:117271



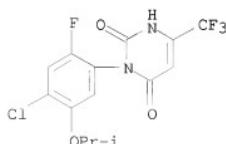
- AB Title compds. I [R = C(X5)R8, C(X3R6)(X4R7)R8, CR8:CR9COR10, CHR8CHR9COR10, etc.; R1 = halo, cyano, NO2, CF3; R2 = H, halo; R3 = H, (cyclo)alkyl, alkenyl, alkanoyl, etc.; R4 = H, halo, (cyclo)alkyl, Ph, etc.; R5 = H, halo, (cyclo)alkyl, CHO, etc.; R6, R7 = (alkoxy)alkyl, alkenyl, alkynyl, etc.; R6R7 = atoms to complete ring; R8 = H, cyano, (halo)alkyl, etc.; R9 = H, halo, (halo)alkyl, etc.; R10 = H, OH, alkoxy, etc.; X1-X4 = O, S; X5 = O, S, (alkyl)imino, etc.] were prepared. Thus, 4,3-C1(EtO2CC1:CH)C6H3NCO (preparation given) was cyclocondensed with F3CC(NH2):CHCO2Et to give, after N-methylation, title compound II which gave 73% defoliation of cotton plants at 0.10 kg/ha.
- IT 149045-44-3P 149045-47-6P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of, as defoliant, herbicide, and insecticide)
- RN 149045-44-3 CAPLUS
- CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(1,3-dioxolan-2-yl)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



RN 149045-47-6 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(1,3-dioxolan-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



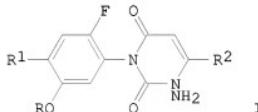
L3 ANSWER 78 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1993:465565 CAPLUS
 DOCUMENT NUMBER: 119:65565
 TITLE: A quantum chemical study of light-dependent herbicides
 AUTHOR(S): Akagi, T.; Skashita, N.
 CORPORATE SOURCE: Cent. Res. Inst., Ishihara Sangyo Kaisha, Ltd.,
 Kusatsu, 525, Japan
 SOURCE: Zeitschrift fuer Naturforschung, C: Journal of
 Biosciences (1993), 48(3-4), 345-9
 CODEN: ZNCBDA; ISSN: 0341-0382
 DOCUMENT TYPE: Journal
 LANGUAGE: English
 AB Common structural features were investigated for light-dependent
 herbicides (LDHs, also called peroxidizing or photobleaching herbicides).
 Quantum chemical calcns. of 143 herbicidal compds. revealed that LUMO were
 similar and strikingly low. Using the LUMO position as an anchor,
 presumably known structure-activity relationships could be explained.
 Overall mol. similarity between oxyfluorfen and chlorophthalium was examined
 by mol. field fitting. The result supported LUMO position correspondence.
 IT 114136-48-0
 RL: BIOL (Biological study)
 (light-dependent herbicide, quantum chemical study of)
 RN 114136-48-0 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



L3 ANSWER 79 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1993:254947 CAPLUS
 DOCUMENT NUMBER: 118:254947
 TITLE: Amino uracil derivatives, and their production and use
 INVENTOR(S): Enomoto, Masayuki; Takemura, Susumu; Sakaki, Masaharu;
 Shojima, Shinsuke; Nagano, Eiki
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
 SOURCE: Eur. Pat. Appl., 24 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 517181	A1	19921209	EP 1992-109371	19920603
EP 517181	B1	19950920		
R: CH, DE, FR, GB, LI				
JP 04360876	A	19921214	JP 1991-137677	19910610
JP 05155866	A	19930622	JP 1992-134865	19920527
US 5280010	A	19940118	US 1992-894606	19920605
PRIORITY APPLN. INFO.:			JP 1991-136383	A 19910607
			JP 1991-137677	A 19910610

OTHER SOURCE(S): MARPAT 118:254947
 GI



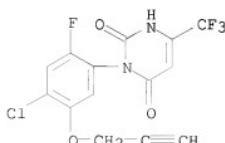
AB Aminouracils I (R = alkyl, alkenyl, alkynyl, alkoxyalkyl, haloalkyl, haloalkenyl; R1 = Cl, Br; R2 = Me, halomethyl) were prepared. Thus, I (R = CH₂:CH₂, R1 = Cl, R2 = CF₃) (II) was prepared by N-amination of the pyrimidinedione with 2,4-(O₂N)C₆H₃ONH₂. At 0.63 g/are, post-emergence, II gave complete control of tall morning glory and velvet leaf.

IT 114168-89-7 147217-58-1

RL: RCT (Reactant); RACT (Reactant or reagent)
 (N-amination of)

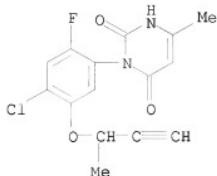
RN 114168-89-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propynyloxy)phenyl]-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 147217-58-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(1-methyl-2-propynyl)oxy]phenyl]-6-methyl- (9CI) (CA INDEX NAME)



L3 ANSWER 80 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1993:207561 CAPLUS

DOCUMENT NUMBER: 118:207561

TITLE: Preparation of 1-phenyl-4-trifluoromethyluracils as herbicides.

INVENTOR(S): Nagano, Hideyoshi; Kamikawa, Toru; Takemura, Susumu; Enomoto, Masayuki; Sakaki, Masaharu; Sato, Makoto

PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.

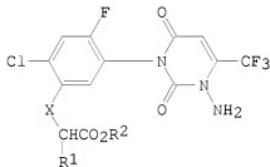
CODEN: JKXXAF

DOCUMENT TYPE: Patent
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 05004972	A	19930114	JP 1991-225944	19910905
PRIORITY APPLN. INFO.:			JP 1990-236846	A1 19900905
OTHER SOURCE(S): GI	MARPAT	118:207561		



I

AB Herbicides contain 1-phenyl-4-trifluoromethyluracils I (R1 = H, Me; R2 = alkyl, alkylcycloalkyl; X = O, S) as active ingredients. Et 3-amino-4-trifluorocrotonate (1.8 g) was stirred with 0.48 g 60% NaH in DMF for 30 min and the mixture was stirred with 5.1 g Et 4-chloro-2-fluoro-5-(1-ethoxycarbonylethylthio)phenylcarbamate at 90-100° for 8 h to give 0.2 g 1-[4'-chloro-2'-fluoro-5'-(1-ethoxycarbonylethylthio)phenyl]-4-trifluoromethyl-3,6-dihydro-(1H)-pyrimidine-2,6-dione (II). II (0.2 g) was treated with 0.018 g NaH in DMF at 0° for 30 min and the mixture was stirred with 0.1 g 2,4-dinitrophenoxymine at 20-30° for 4 h to give 0.04 g I (R1 =

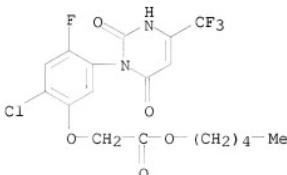
Me, R₂ = Et, X = S) (III). III (5 g/are) totally controlled Echinochloa crus-galli, Ipomoea purpurea, and Abutilon theophrasti. Formulation examples are given.

IT 147350-08-1

RL: RCT (Reactant); RACT (Reactant or reagent)
(amination of)

RN 147350-08-1 CAPLUS

CN Acetic acid, [2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, pentyl ester (9CI) (CA INDEX NAME)

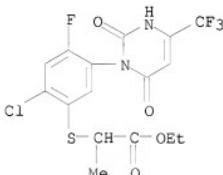


IT 147350-07-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation and amination of)

RN 147350-07-0 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio-, ethyl ester (CA INDEX NAME)



L3 ANSWER 81 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1993:141841 CAPLUS

DOCUMENT NUMBER: 118:141841

TITLE: Preparation of dihydroadioxopyrimidinylbenzenesulfonamide derivatives as herbicides

INVENTOR(S): Strunk, Richard J.; Bell, Allyn R.

PATENT ASSIGNEE(S): Uniroyal Chemical Co., Inc., USA

SOURCE: U.S., 18 pp.

DOCUMENT TYPE: CODEN: USXXAM

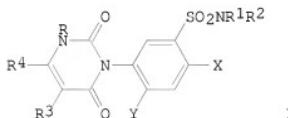
LANGUAGE: Patent

FAMILY ACC. NUM. COUNT: English

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5169430	A	19921208	US 1991-742957	19910809

WO 9303019	A1	19930218	WO 1992-US6417	19920803
W: AU, BR, CA, FI, HU, JP, NO, RU				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, SE				
AU 9224233	A	19930302	AU 1992-24233	19920803
EP 598774	A1	19940601	EP 1992-916883	19920803
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE				
JP 07501788	T	19950223	JP 1992-503774	19920803
JP 08026008	B	19960313		
BR 9206350	A	19950411	BR 1992-6350	19920803
HU 72160	A2	19960328	HU 1994-357	19920803
US 5324854	A	19940628	US 1992-987511	19921207
US 5486610	A	19960123	US 1994-214932	19940317
PRIORITY APPLN. INFO.:			US 1991-742957	A 19910809
			WO 1992-US6417	A 19920803
OTHER SOURCE(S):	CASREACT 118:141841; MARPAT 118:141841		US 1992-987511	A3 19921207
GI				



AB The title compds. I [R = H, (halo)alkyl, formyl, alkenyl, etc.; X = alkyl, alkoxy, CN, halo; Y = H, halo, dialkylamino; R1 = H, (cyclo)alkyl, alkenyl, etc.; R2 = H, (cyclo)alkyl, (halo)alkenyl, alkynyl, alkoxy, etc.; R3 = H, halo, alkyl; R4 = (halo)alkyl] are prepared as herbicides. A solution of 2-chloro-4-fluoro-5-[{3,6-dihydro-3-methyl-4-trifluoromethyl-2,6-dioxo-1(2H)-pyrimidinyl}benzenesulfonyl chloride (preparation given) in CH2Cl2 was treated with an aqueous solution of ethylamine to give I (R = Me, R1 = R3 = H,

R2 = Et, R4 = CF3, X = Cl, Y = F) (II). II (11.2 kg/ha pre-emergence) totally controlled prickly sida (*Sida spinosa*), morning glory (*Ipomea purpurea*), switchgrass (*Panicum vingatum*) and other weeds.

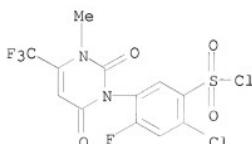
IT 146423-50-9P 146423-53-2P 146423-54-3P
146423-55-4P 146436-82-0P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and reaction of, with alkylamines)

RN 146423-50-9 CAPLUS

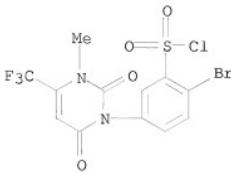
CN Benzenesulfonyl chloride, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro- (CA INDEX NAME)



RN 146423-53-2 CAPLUS

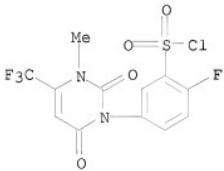
CN Benzenesulfonyl chloride, 2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

(trifluoromethyl)-1(2H)-pyrimidinyl]- (CA INDEX NAME)



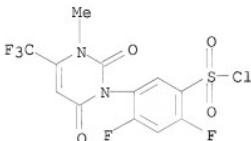
RN 146423-54-3 CAPLUS

CN Benzenesulfonyl chloride, 5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2-fluoro- (CA INDEX NAME)



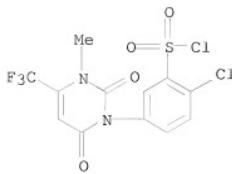
RN 146423-55-4 CAPLUS

CN Benzenesulfonyl chloride, 5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2,4-difluoro- (CA INDEX NAME)



RN 146436-82-0 CAPLUS

CN Benzenesulfonyl chloride, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]- (CA INDEX NAME)

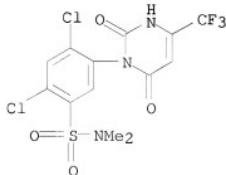


IT 146422-74-4P 146422-75-5P 146422-76-6P
 146422-77-7P 146422-78-8P 146422-79-9P
 146422-80-2P 146422-88-0P 146422-89-1P
 146422-90-4P 146422-91-5P 146422-92-6P
 146422-93-7P 146422-94-8P 146422-95-9P
 146422-96-0P 146422-97-1P 146422-98-2P
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 146423-05-4P 146423-06-5P 146423-07-6P
 146423-08-7P 146423-09-8P 146423-10-1P
 146423-11-2P 146423-12-3P 146423-13-4P
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 146423-40-7P 146423-41-8P 146423-42-9P
 146423-43-0P 146423-44-1P 146436-70-6P
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 146436-74-0P 146436-75-1P 146436-76-2P
 146436-77-3P 146436-79-5P 146436-80-8P
 146436-81-9P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses (preparation of, as herbicide))

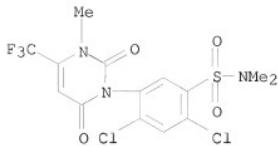
RN 146422-74-4 CAPLUS

CN Benzenesulfonamide, 2,4-dichloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N,N-dimethyl- (CA INDEX NAME)



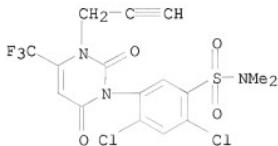
RN 146422-75-5 CAPLUS

CN Benzenesulfonamide, 2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N,N-dimethyl- (CA INDEX NAME)



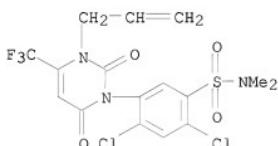
RN 146422-76-6 CAPLUS

CN Benzenesulfonamide, 2,4-dichloro-5-[3,6-dihydro-2,6-dioxo-3-(2-propynyl)-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



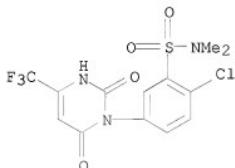
RN 146422-77-7 CAPLUS

CN Benzenesulfonamide, 2,4-dichloro-5-[3,6-dihydro-2,6-dioxo-3-(2-propenyl)-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N,N-dimethyl- (9CI) (CA INDEX NAME)



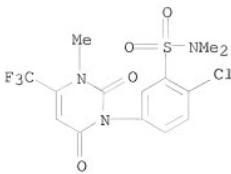
RN 146422-78-8 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N,N-dimethyl- (CA INDEX NAME)



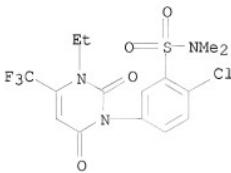
RN 146422-79-9 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N,N-dimethyl- (CA INDEX NAME)



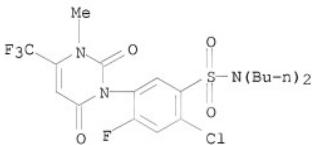
RN 146422-80-2 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3-ethyl-3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N,N-dimethyl- (CA INDEX NAME)



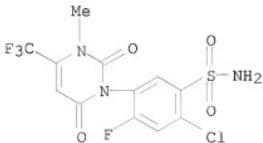
RN 146422-88-0 CAPLUS

CN Benzenesulfonamide, N,N-dibutyl-2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro- (CA INDEX NAME)



RN 146422-89-1 CAPLUS

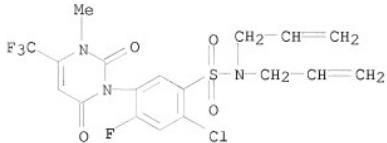
CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro- (CA INDEX NAME)



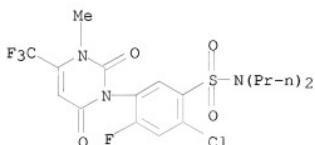
RN 146422-90-4 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

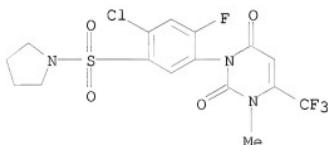
(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N,N-di-2-propenyl- (9CI)
(CA INDEX NAME)



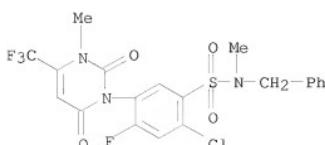
RN 146422-91-5 CAPLUS
CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N,N-dipropyl- (CA INDEX NAME)



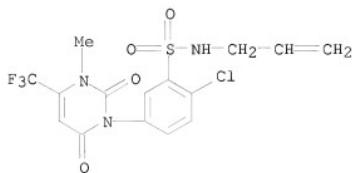
RN 146422-92-6 CAPLUS
CN Pyrrolidine, 1-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl)sulfonyl]- (9CI) (CA INDEX NAME)



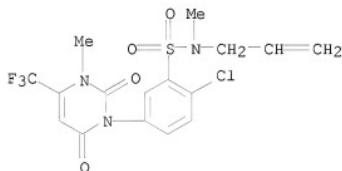
RN 146422-93-7 CAPLUS
CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-methyl-N-(phenylmethyl)- (CA INDEX NAME)



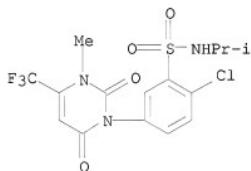
RN 146422-94-8 CAPLUS
CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-2-propenyl- (9CI) (CA INDEX NAME)



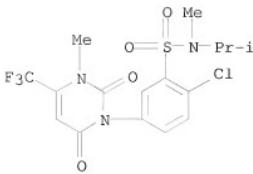
RN 146422-95-9 CAPLUS
CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-methyl-N-2-propenyl- (9CI) (CA INDEX NAME)



RN 146422-96-0 CAPLUS
CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-(1-methylethyl)- (CA INDEX NAME)

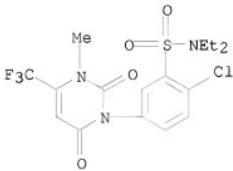


RN 146422-97-1 CAPLUS
CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-methyl-N-(1-methylethyl)- (CA INDEX NAME)



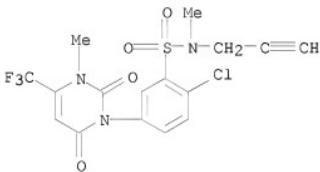
RN 146422-98-2 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N,N-diethyl- (CA INDEX NAME)



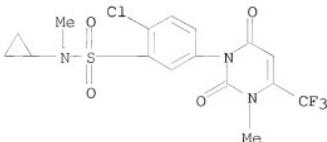
RN 146422-99-3 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-methyl-N-2-propynyl- (9CI) (CA INDEX NAME)

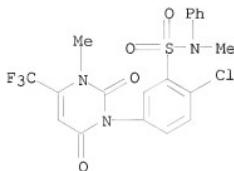


RN 146423-00-9 CAPLUS

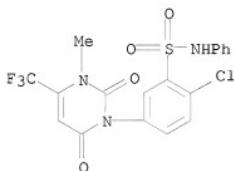
CN Benzenesulfonamide, 2-chloro-N-cyclopropyl-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-methyl- (CA INDEX NAME)



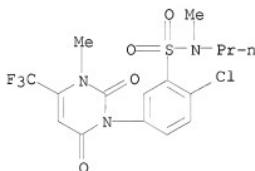
RN 146423-01-0 CAPLUS
CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-methyl-N-phenyl- (CA INDEX NAME)



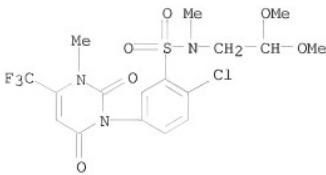
RN 146423-02-1 CAPLUS
CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-phenyl- (CA INDEX NAME)



RN 146423-03-2 CAPLUS
CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-methyl-N-propyl- (CA INDEX NAME)

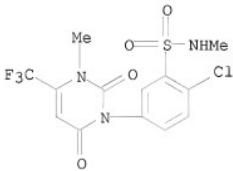


RN 146423-04-3 CAPLUS
CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-(2,2-dimethoxyethyl)-N-methyl- (CA INDEX NAME)



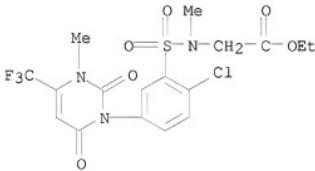
RN 146423-05-4 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-methyl- (CA INDEX NAME)



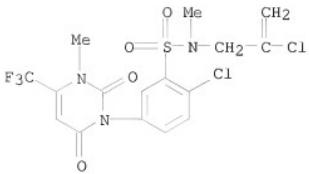
RN 146423-06-5 CAPLUS

CN Glycine, N-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl)sulfonyl]-N-methyl-, ethyl ester (CA INDEX NAME)



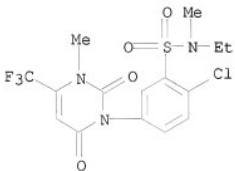
RN 146423-07-6 CAPLUS

CN Benzenesulfonamide, 2-chloro-N-(2-chloro-2-propenyl)-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-methyl- (9CI) (CA INDEX NAME)



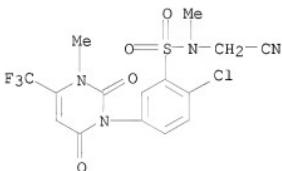
RN 146423-08-7 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-ethyl-N-methyl- (CA INDEX NAME)



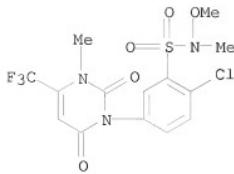
RN 146423-09-8 CAPLUS

CN Benzenesulfonamide, 2-chloro-N-(cyanomethyl)-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-methyl- (CA INDEX NAME)



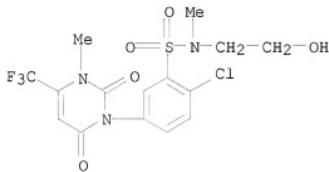
RN 146423-10-1 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-methoxy-N-methyl- (CA INDEX NAME)



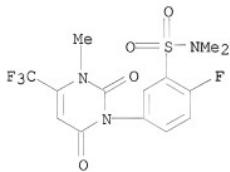
RN 146423-11-2 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-(2-hydroxyethyl)-N-methyl- (CA INDEX NAME)



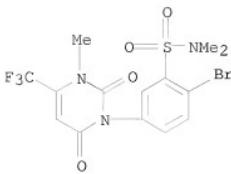
RN 146423-12-3 CAPLUS

CN Benzenesulfonamide, 5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2-fluoro-N,N-dimethyl- (CA INDEX NAME)



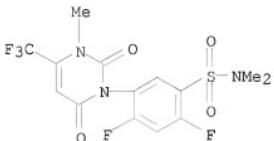
RN 146423-13-4 CAPLUS

CN Benzenesulfonamide, 2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N,N-dimethyl- (CA INDEX NAME)



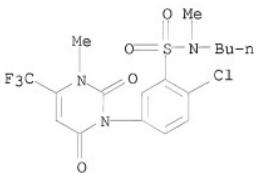
RN 146423-14-5 CAPLUS

CN Benzenesulfonamide, 5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2,4-difluoro-N,N-dimethyl- (CA INDEX NAME)



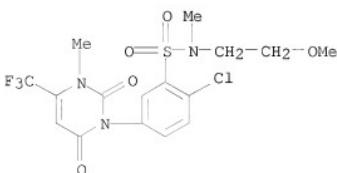
RN 146423-16-7 CAPLUS

CN Benzenesulfonamide, N-butyl-2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-methyl- (CA INDEX NAME)

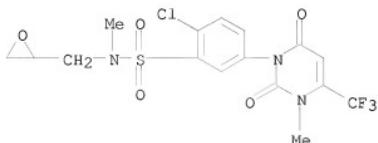


RN 146423-17-8 CAPLUS

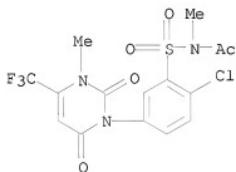
CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-(2-methoxyethyl)-N-methyl- (CA INDEX NAME)



RN 146423-18-9 CAPLUS
 CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-methyl-N-(oxiranylmethyl)- (9CI)
 (CA INDEX NAME)

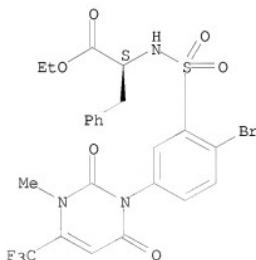


RN 146423-19-0 CAPLUS
 CN Acetamide, N-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl)sulfonyl]-N-methyl- (CA INDEX NAME)



RN 146423-20-3 CAPLUS
 CN L-Phenylalanine, N-[(2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl)sulfonyl]-, ethyl ester (CA INDEX NAME)

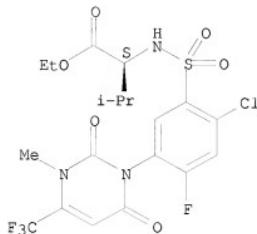
Absolute stereochemistry.



RN 146423-21-4 CAPLUS
 CN L-Valine, N-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl)sulfonyl]-, ethyl

ester (CA INDEX NAME)

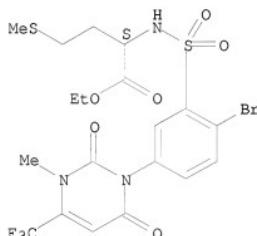
Absolute stereochemistry.



RN 146423-22-5 CAPLUS

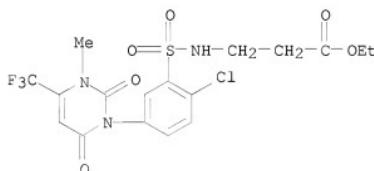
CN L-Methionine, N-[(2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl)sulfonyl]-, ethyl ester (CA INDEX NAME)

Absolute stereochemistry.



RN 146423-23-6 CAPLUS

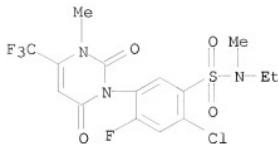
CN beta-Alanine, N-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl)sulfonyl]-, ethyl ester (CA INDEX NAME)



RN 146423-28-1 CAPLUS

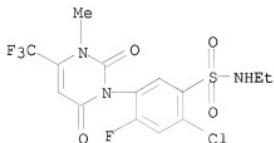
CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-ethyl-4-fluoro-N-methyl- (CA INDEX

NAME)



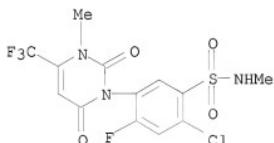
RN 146423-29-2 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-ethyl-4-fluoro- (CA INDEX NAME)



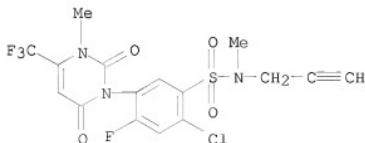
RN 146423-30-5 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-methyl- (CA INDEX NAME)



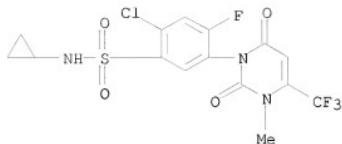
RN 146423-31-6 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-methyl-N-2-propynyl- (9CI)
(CA INDEX NAME)



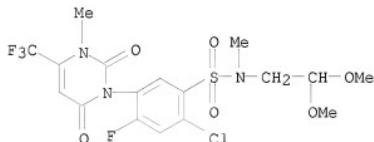
RN 146423-32-7 CAPLUS

CN Benzenesulfonamide, 2-chloro-N-cyclopropyl-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro- (CA INDEX NAME)



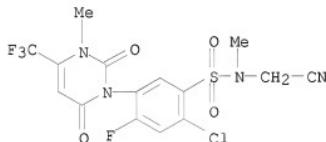
RN 146423-33-8 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-(2,2-dimethoxyethyl)-4-fluoro-N-methyl- (CA INDEX NAME)



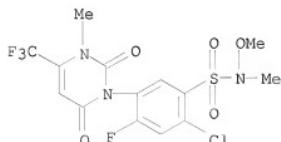
RN 146423-34-9 CAPLUS

CN Benzenesulfonamide, 2-chloro-N-(cyanomethyl)-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-methyl- (CA INDEX NAME)



RN 146423-35-0 CAPLUS

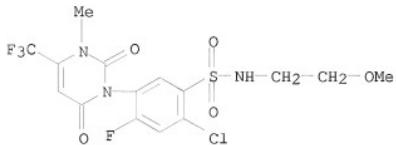
CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-methoxy-N-methyl- (CA INDEX NAME)



RN 146423-36-1 CAPLUS

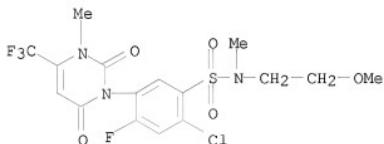
CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-(2-methoxyethyl)- (CA INDEX NAME)



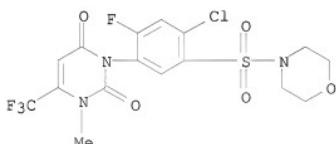
RN 146423-37-2 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-(2-methoxyethyl)-N-methyl- (CA INDEX NAME)



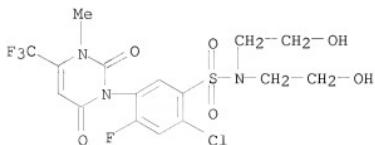
RN 146423-38-3 CAPLUS

CN Morpholine, 4-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl)sulfonyl]- (9CI) (CA INDEX NAME)

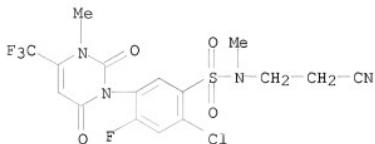


RN 146423-39-4 CAPLUS

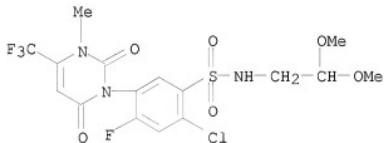
CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N,N-bis(2-hydroxyethyl)- (CA INDEX NAME)



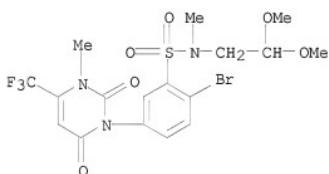
RN 146423-40-7 CAPLUS
CN Benzenesulfonamide, 2-chloro-N-(2-cyanoethyl)-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-methyl- (CA INDEX NAME)



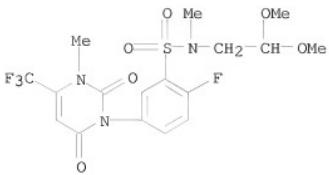
RN 146423-41-8 CAPLUS
CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-(2,2-dimethoxyethyl)-4-fluoro- (CA INDEX NAME)



RN 146423-42-9 CAPLUS
CN Benzenesulfonamide, 2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-(2,2-dimethoxyethyl)-N-methyl- (CA INDEX NAME)

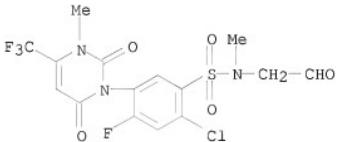


RN 146423-43-0 CAPLUS
CN Benzenesulfonamide, 5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-(2,2-dimethoxyethyl)-2-fluoro-N-methyl- (CA INDEX NAME)



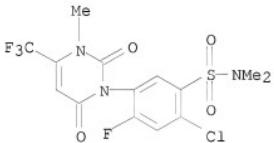
RN 146423-44-1 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-methyl-N-(2-oxoethyl)-(CA INDEX NAME)



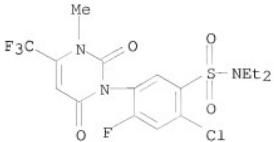
RN 146436-70-6 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N,N-dimethyl- (CA INDEX NAME)



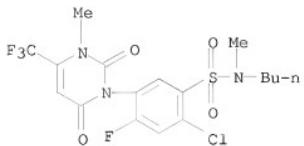
RN 146436-71-7 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N,N-diethyl-4-fluoro- (CA INDEX NAME)



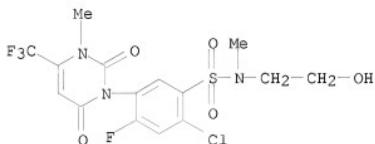
RN 146436-72-8 CAPLUS

CN Benzenesulfonamide, N-butyl-2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-methyl- (CA INDEX NAME)



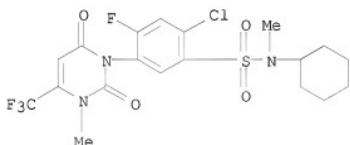
RN 146436-73-9 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-(2-hydroxyethyl)-N-methyl- (CA INDEX NAME)



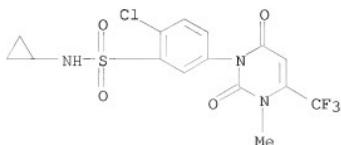
RN 146436-74-0 CAPLUS

CN Benzenesulfonamide, 2-chloro-N-cyclohexyl-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-methyl- (CA INDEX NAME)



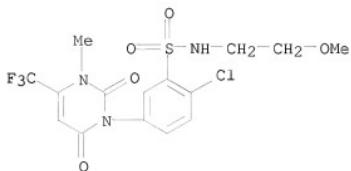
RN 146436-75-1 CAPLUS

CN Benzenesulfonamide, 2-chloro-N-cyclopropyl-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]- (CA INDEX NAME)



RN 146436-76-2 CAPLUS

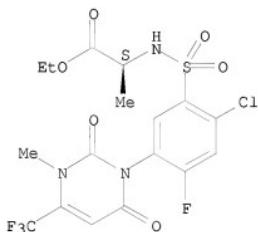
CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-(2-methoxyethyl)- (CA INDEX NAME)



RN 146436-77-3 CAPLUS

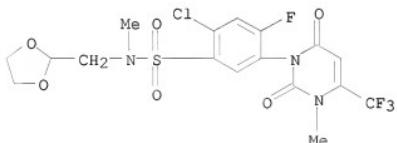
CN L-Alanine, N-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl)sulfonyl]-, ethyl ester (CA INDEX NAME)

Absolute stereochemistry.



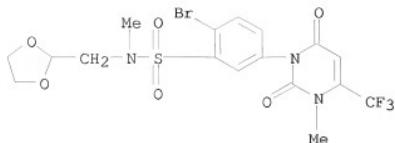
RN 146436-79-5 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-(1,3-dioxolan-2-ylmethyl)-4-fluoro-N-methyl- (CA INDEX NAME)

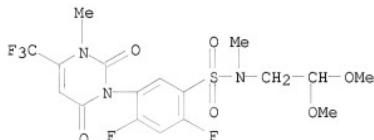


RN 146436-80-8 CAPLUS

CN Benzenesulfonamide, 2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-(1,3-dioxolan-2-ylmethyl)-N-methyl- (CA INDEX NAME)



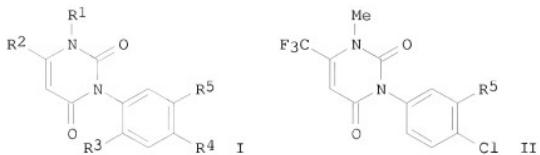
RN 146436-81-9 CAPLUS
 CN Benzenesulfonamide, 5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-(2,2-dimethoxyethyl)-2,4-difluoro-N-methyl- (CA INDEX NAME)



=> d 13 62-71 ibib abs hitstr

L3 ANSWER 62 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1998:204460 CAPLUS
 DOCUMENT NUMBER: 128:257283
 TITLE: Process for the production of 3-aryl-uracils
 INVENTOR(S): Sting, Andrea Rolf
 PATENT ASSIGNEE(S): Novartis A.-G., Switz.
 SOURCE: Eur. Pat. Appl., 27 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 831091	A2	19980325	EP 1997-116411	19970919
EP 831091	A3	19980415		
R: AT, BE, CH, DE, DK, ES, FR, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
CA 2216323	A1	19980323	CA 1997-2216323	19970919
JP 10120659	A	19980512	JP 1997-256704	19970922
PRIORITY APPLN. INFO.:			CH 1996-2321	A 19960923
OTHER SOURCE(S):	MARPAT	128:257283		
GI				



AB Preps. of 3-aryl-uracils such as I [R₁ = Me, Et; R₂ = CF₃, CC₁F₂, CC₁2F, C₂F₅; R₃ = H, F, Cl; R₄ = H, F, Cl, Br, CN, NO₂, Me, CHF₂; R₅ = H, CN, NO₂, OH, halogen, alkoxy, alkylthio, alkenyloxy, carboxy, etc.] were presented which used solvents, such as DMF, DMSO, MeCN, EtCN, AcOEt, THF, dioxane, in the presence of bases, such as tert-BuOK, tert-BuONa, MeONa, EtONa, MeOK, EtOK, NaH, KH, sodium pentylate, potassium pentylate and 1,8-diazabicyclo[5.4.0]undec-7-ene (DBU). Thus, uracil II (R₅ = CO₂Me₂CO₂CH₂CH₂:CH₂) was prepared in 86.3% yield by reaction of Et 3-methylamino-4,4,4-trifluorobut-2-enoate and 5-isocyanato-2-chlorobenzoic acid 1-allyloxycarbonyl-1-methylethyl ester in the presence of 0.347 g of tert-BuOK in anhydrous DMF. The same reaction using anhydrous MeCN as the solvent gave II in 85% yield.

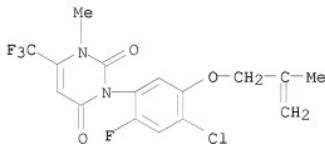
IT 159333-12-7P 205188-63-2P

RL: IMF (Industrial manufacture); **SPN** (Synthetic preparation); **PREP** (Preparation)

(process for the production of 3-aryl-uracils)

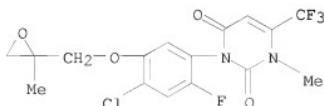
RN 159333-12-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-methyl-2-propenyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 205188-63-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-methoxyiranyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



TITLE: Preparation of 2H-chromenes and their use as herbicides
 INVENTOR(S): Ito, Minoru; Miyazaki, Masahiro; Takeuchi, Akira;
 Tamaru, Masatoshi; Yamaji, Mitsuhiro; Hanai, Ryo;
 Otsu, Sota; Sadohara, Hideo
 PATENT ASSIGNEE(S): Kumiai Chemical Industry Co., Ltd., Japan; Ihara
 Chemical Industry Co., Ltd.
 SOURCE: Jpn. Kokai Tokkyo Koho, 21 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09301973	A	19971125	JP 1996-139468	19960509
PRIORITY APPLN. INFO.:			JP 1996-139468	19960509
OTHER SOURCE(S):	MARPAT	128:34781		
GI				

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

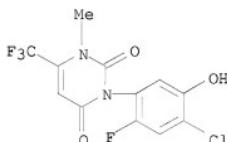
AB Herbicidal 2H-chromenes I or II [X = H, halo; Y = H, halo, cyano; R1-R4 = H, (un)substituted alkyl, CO₂H, alkoxy carbonyl, alkylsulfonyloxyalkyl, acyl, hydroxyiminoalkyl, alkoxyiminoalkyl, (un)substituted Ph; R1R2C may form C3-8 spiro ring; Q = Q1-Q4; Z = O, S] are prepared 3-(4-Chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-trifluoromethyluracil was refluxed with propargyl bromide and K₂CO₃ in MeCN for 2 h, then the obtained ether was further refluxed with KF in mesitylene for 2 h to give I (X = F, Y = Cl, R1-R4 = H, Q = Q1), which at 100 g/10 showed 100% herbicidal activity.

IT 114136-60-6

RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of 2H-chromenes as herbicides)

RN 114136-60-6 CAPLUS

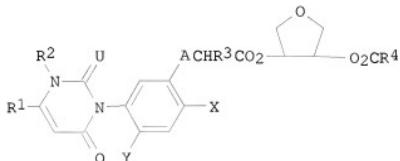
CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



L3 ANSWER 64 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1997:490986 CAPLUS
 DOCUMENT NUMBER: 127:135810
 TITLE: Preparation of uracils and herbicides containing them
 INVENTOR(S): Ota, Chikako; Natsume, Fumitsugu; Minami, Noriko;
 Ikeda, Osamu
 PATENT ASSIGNEE(S): Mitsubishi Chemical Industries Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.

CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09188676	A	19970722	JP 1996-678	19960108
PRIORITY APPLN. INFO.:			JP 1996-678	19960108
OTHER SOURCE(S): GI	MARPAT	127:135810		



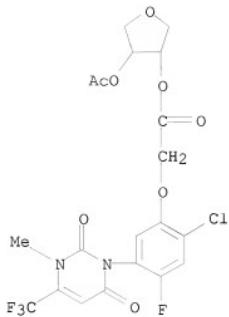
AB Title compds. I (A = O, S, NH; X = halo; Y = H, halo; U = O, S; R1 = C1-3 haloalkyl; R2 = C1-3 alkyl; R3 = H, C1-4 alkyl; R4 = C1-5 alkyl, C2-5 alkenyl, C3-6 cycloalkyl; C1-3 haloalkyl, PhCH2, Ph), useful as selective herbicides, are prepared Et 3-methylamino-4,4,4-trifluorocrotonate (1.62 g) was treated with NaH at 0° for 15 min, then treated with 10.0 g 4-acetoxytetrahydrofuran-3-yl 2-(2-chloro-5-isocyanatophenylthio)acetate at -30° for 2 h to give 0.31 g I (A = S, U = O, X = Cl, Y = R3 = H, R1 = CF3, R2 = R4 = Me), which at 10 g/are showed 100% herbicidal activity.

IT 192928-89-5P 192928-90-8P 192928-91-9P
 192928-92-0P 192928-93-1P 192928-94-2P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of uracils as selective herbicides)

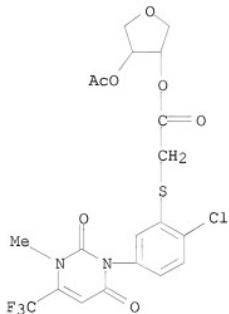
RN 192928-89-5 CAPLUS

CN Acetic acid, [2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 4-(acetoxy)tetrahydro-3-furanyl ester (9CI) (CA INDEX NAME)



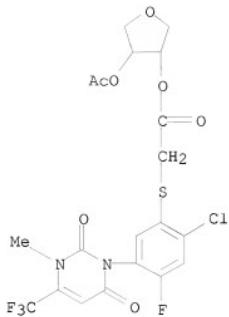
RN 192928-90-8 CAPLUS

CN Acetic acid, [(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]thio]-, 4-(acetyloxy)tetrahydro-3-furanyl ester (9CI) (CA INDEX NAME)



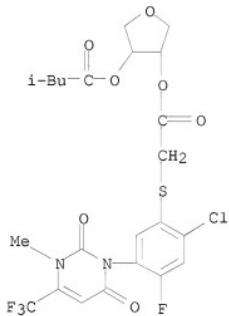
RN 192928-91-9 CAPLUS

CN Acetic acid, [(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-, 4-(acetyloxy)tetrahydro-3-furanyl ester (9CI) (CA INDEX NAME)



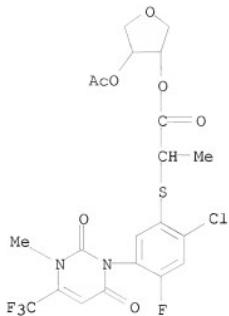
RN 192928-92-0 CAPLUS

CN Butanoic acid, 3-methyl-, 4-[[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]acetyl]tetrathydro-3-furanyl ester (9CI) (CA INDEX NAME)



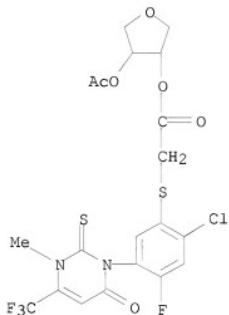
RN 192928-93-1 CAPLUS

CN Propanoic acid, 2-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-, 4-(acetoxy)tetrahydro-3-furanyl ester (CA INDEX NAME)



RN 192928-94-2 CAPLUS

CN Acetic acid, [(2-chloro-5-[3,6-dihydro-3-methyl-6-oxo-2-thioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-, 4-(acetoxy)tetrahydro-3-furanyl ester (9CI) (CA INDEX NAME)

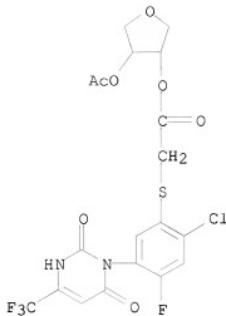


IT 192928-98-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of uracils as selective herbicides)

RN 192928-98-6 CAPLUS

CN Acetic acid, [(2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-, 4-(acetoxy)tetrahydro-3-furanyl ester (9CI) (CA INDEX NAME)



L3 ANSWER 65 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1997:128084 CAPLUS

DOCUMENT NUMBER: 126:199577

TITLE: Pyrimidine and triazine derivatives as herbicides and plant growth regulators

INVENTOR(S): Amuti, Kofi S.; Hong, Wonpyo; Semple, Joseph E.

PATENT ASSIGNEE(S): E. I. Du Pont de Nemours & Co., USA

SOURCE: U.S., 45 pp., Cont.-in-part of U.S. Ser. No. 821, 118, abandoned.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

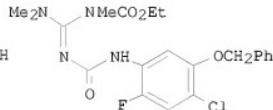
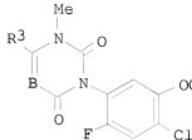
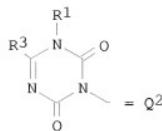
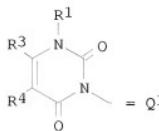
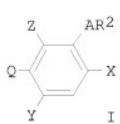
FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5602077	A	19970211	US 1994-256339	19940713
WO 9314073	A1	19930722	WO 1992-US11330	19921230
W: AU, BB, BG, BR, CA, CS, FI, HU, JP, KP, KR, LK, MG, MN, MW, NO, NZ, PL, RO, RU, SD, UA, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG				
US 5567670	A	19961022	US 1995-468399 US 1992-821118 WO 1992-US11330 US 1994-256339	19950606 B2 19920115 W 19921230 A3 19940713
PRIORITY APPLN. INFO.:				

OTHER SOURCE(S): MARPAT 126:199577

GI



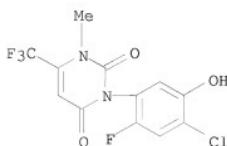
AB Heterocycles I [A = O, S; Q = Q1, Q2; R1 = optionally substituted alkyl, alkenyl, alkynyl, acyl; R2 = H, CHMe2, CH2CH:CH2, CH2C.tplbond.CH, CHMeC.tplbond.CH, CH2Ph, CHR'CO2R8; R3 = alkyl, haloalkyl, NMe2; R4 = H, halogen; R5, R6 = H, alkyl; R7, R8 = Me, Et; X = Cl, Br; Y = F, Cl; Z = H; ZR2 = CH2CHR9; R9 = alkyl, haloalkyl, cyclopropyl, vinyl, C.tplbond.CH, CN, COR10, CO2R10, CONR10R11, CR12R13CONR10R11, CHR12OH, CHR12O2CR10, CHR12O2CRN10R11; R10, R11, R12, R13 = H, alkyl] are useful for controlling the growth of undesired vegetation in plantation crop by applying an effective amount to the locus of the crop. Thus, pyrimidine II (B = CH, R3 = CF3) was prepared via cyclization of CF3C(NH2):CHCO2Et with 4-chloro-2-fluoro-5-(phenylmethoxy)phenyl isocyanate, followed by N-methylation, hydrogenolysis and O-alkylation with propargyl bromide. Triazine II (B = N, R3 = NMe2) was prepared from Me2NC(:NH)NMeCO2Et and 4-chloro-2-fluoro-5-(phenylmethoxy)phenyl isocyanate via intramol. cyclization of carbamate III in PhMe containing MeNH2 and NaOMe, hydrogenolysis and O-alkylation with propargyl bromide. II were tested as general or selective preemergent or postemergent herbicides or as plant growth regulators in numerous tests.

IT 114136-60-6P 114168-78-4P

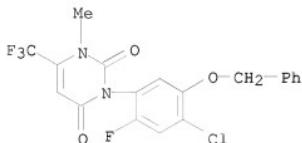
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of pyrimidines and triazines as herbicides and plant growth regulators)

RN 114136-60-6 CAPLUS

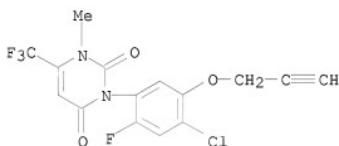
CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



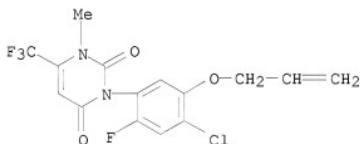
RN 114168-78-4 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(phenylmethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



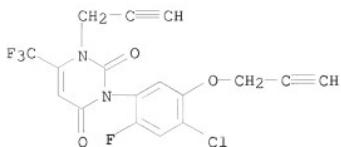
IT 114168-58-0P 114168-61-5P 151856-56-3P
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of pyrimidines and triazines as herbicides and plant growth regulators)
RN 114168-58-0 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propynyloxy)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



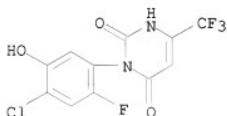
RN 114168-61-5 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propenyl)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



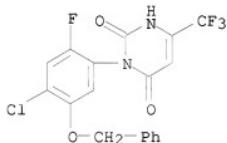
RN 151856-56-3 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propynyloxy)phenyl]-1-(2-propynyl)-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



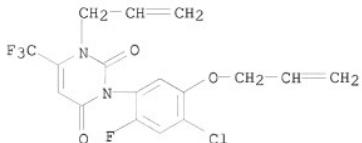
IT 114136-62-8P 151856-48-3P
 RL: AGR (Agricultural use); RCT (Reactant); SPN (Synthetic preparation);
 BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent);
 USES (Uses)
 (preparation of pyrimidines and triazines as herbicides and plant growth
 regulators)
 RN 114136-62-8 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-6-
 (trifluoromethyl)- (CA INDEX NAME)



RN 151856-48-3 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(phenylmethoxy)phenyl]-
 6-(trifluoromethyl)- (CA INDEX NAME)



IT 151856-57-4P
 RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological
 study); PREP (Preparation); USES (Uses)
 (preparation of pyrimidines and triazines as herbicides and plant growth
 regulators)
 RN 151856-57-4 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propenyl)phenyl]-
 1-(2-propenyl)-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



L3 ANSWER 66 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 19961593803 CAPLUS
 DOCUMENT NUMBER: 125:247844
 TITLE: Preparation of 3-aryluracil derivatives as herbicides.
 INVENTOR(S): Kunz, Walter; Nebel, Kurt
 PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.
 SOURCE: Ger. Offen., 176 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19604229	A1	19960814	DE 1996-19604229	19960206
PRIORITY APPLN. INFO.:			CH 1995-404	A 19950209
OTHER SOURCE(S): GI	MARPAT	125:247844		

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB Title compds. [I; Q = Q1-Q7; A1 = H, halo; A2 = cyano, NO2, halo, alkyl, alkoxy, OH, haloalkoxy, haloalkyl; A3 = H, cyano, NO2, COR3, COR8, C(:NOR42)CN, OP(O)(OEt)2, etc.; R = CH:NOH, cyano, CX7NH2; R1 = H, alkyl, alkenyl, alkynyl, haloalkyl, cyano; R2 = H, halo, Me; R3 = halo, amino, etc.; R8 = H, alkyl; R19 = H, alkoxyalkyl, carboxyalkyl, aminoalkyl, (halo-substituted) alkyl, alkenyl, alkynyl, etc.; R20, R21 = H, alkyl, F; R25, R29, R31 = H, alkyl, haloalkyl, alkenyl, haloalkenyl, alkynyl, alkoxyalkyl, cyanoalkyl, alkoxycarbonylalkyl, PhCH2, etc.; R26, R28, R32, R50 = H, alkyl; R42 = H, alkyl, alkoxyalkyl, alkylthioalkyl, alkylaminoalkyl, haloalkyl, alkenyl, haloalkenyl, alkynyl, cycloalkyl, oxetanyl, (substituted) PhCO, phenylaminocarbonyl, dioxolanyl, etc.; X, X1, X2, Y = O, S; X7 = O, S, imino; n = 0-4], were prepared. Thus, Et oxaloacetate and Et carbamate were heated with POC13 to give Et (2,5-dihydro-2,5-dioxo-3-furanyl)carbamate. This was refluxed with 2-fluoro-4-chloro-5-isopropoxymidine to give Et [2,5-dihydro-2,5-dioxo-1-(2-fluoro-4-chloro-5-isopropoxy)phenyl-1H-pyrrol-3-yl]carbamate. The latter was heated in aqueous NaOH/dioxane at 100° to give 2,6-dioxo-1-[(2-fluoro-4-chloro-5-isopropoxy)phenyl]-1,2,3,6-tetrahydropyrimidin-4-carboxylic acid, which was converted to title compound (II). The latter at 2 kg/ha preemergent gave complete control of Avena, Lolium, Setaria, Cyperus, Sinapis, Solanum, Stellaria, and Ipomoea.

IT 181582-46-7P 181582-51-4P 181582-54-7P

181582-55-8P 181582-60-5P 181582-61-6P

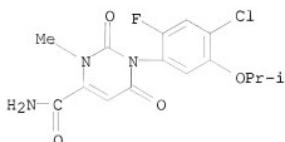
181582-62-7P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except

adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of 3-aryluracil derivs. as herbicides)

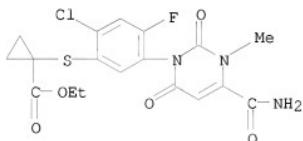
RN 181582-46-7 CAPLUS

CN 4-Pyrimidinecarboxamide, 1-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1,2,3,6-tetrahydro-3-methyl-2,6-dioxo- (CA INDEX NAME)



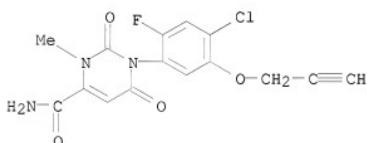
RN 181582-51-4 CAPLUS

CN Cyclopropanecarboxylic acid, 1-[(5-[4-(aminocarbonyl)-3,6-dihydro-3-methyl-2,6-dioxo-1(2H)-pyrimidinyl]-2-chloro-4-fluorophenyl]thio]-, ethyl ester (CA INDEX NAME)



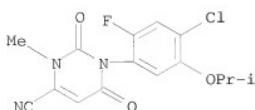
RN 181582-54-7 CAPLUS

CN 4-Pyrimidinecarboxamide, 1-[4-chloro-2-fluoro-5-(2-propynyloxy)phenyl]-1,2,3,6-tetrahydro-3-methyl-2,6-dioxo- (9CI) (CA INDEX NAME)

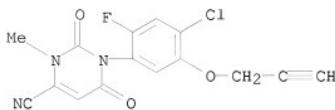


RN 181582-55-8 CAPLUS

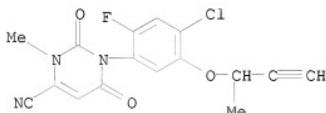
CN 4-Pyrimidinecarbonitrile, 1-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1,2,3,6-tetrahydro-3-methyl-2,6-dioxo- (CA INDEX NAME)



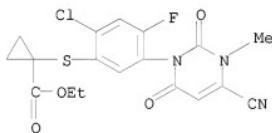
RN 181582-60-5 CAPLUS
CN 4-Pyrimidinecarbonitrile, 1-[4-chloro-2-fluoro-5-(2-propynyoxy)phenyl]-1,2,3,6-tetrahydro-3-methyl-2,6-dioxo- (9CI) (CA INDEX NAME)



RN 181582-61-6 CAPLUS
CN 4-Pyrimidinecarbonitrile, 1-[4-chloro-2-fluoro-5-[(1-methyl-2-propynyl)oxy]phenyl]-1,2,3,6-tetrahydro-3-methyl-2,6-dioxo- (9CI) (CA INDEX NAME)

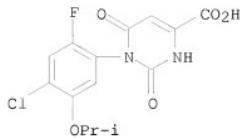


RN 181582-62-7 CAPLUS
CN Cyclopropanecarboxylic acid, 1-[(2-chloro-5-(4-cyano-3,6-dihydro-3-methyl-2,6-dioxo-1(2H)-pyrimidinyl)-4-fluorophenyl]thio-, ethyl ester (CA INDEX NAME)

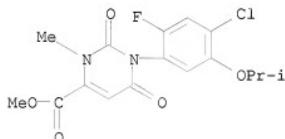


IT 181582-77-4P 181582-79-6P 181582-84-3P
181582-86-5P 181582-88-7P 181582-90-1P
181583-00-6P 181583-02-8P 181583-03-9P
181583-08-4P 181583-10-8P 181583-12-0P
181583-14-2P 181583-53-9P
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of 3-aryluracil derivs. as herbicides)

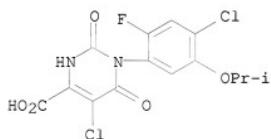
RN 181582-77-4 CAPLUS
CN 4-Pyrimidinecarboxylic acid, 1-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1,2,3,6-tetrahydro-2,6-dioxo- (CA INDEX NAME)



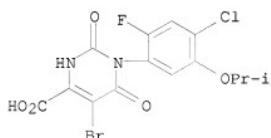
RN 181582-79-6 CAPLUS
 CN 4-Pyrimidinecarboxylic acid, 1-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1,2,3,6-tetrahydro-3-methyl-2,6-dioxo-, methyl ester (CA INDEX NAME)



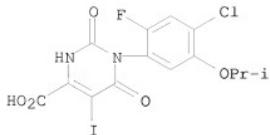
RN 181582-84-3 CAPLUS
 CN 4-Pyrimidinecarboxylic acid, 5-chloro-1-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1,2,3,6-tetrahydro-2,6-dioxo- (CA INDEX NAME)



RN 181582-86-5 CAPLUS
 CN 4-Pyrimidinecarboxylic acid, 5-bromo-1-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1,2,3,6-tetrahydro-2,6-dioxo- (CA INDEX NAME)

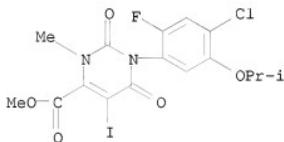


RN 181582-88-7 CAPLUS
 CN 4-Pyrimidinecarboxylic acid, 1-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1,2,3,6-tetrahydro-5-iodo-2,6-dioxo- (CA INDEX NAME)



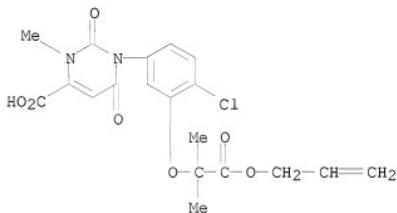
RN 181582-90-1 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 1-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1,2,3,6-tetrahydro-5-iodo-3-methyl-2,6-dioxo-, methyl ester (CA INDEX NAME)



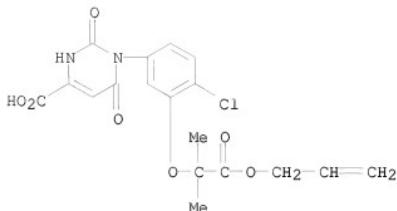
RN 181583-00-6 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 1-[4-chloro-3-[1,1-dimethyl-2-oxo-2-(2-propenyl)ethoxy]phenyl]-1,2,3,6-tetrahydro-3-methyl-2,6-dioxo- (9CI) (CA INDEX NAME)



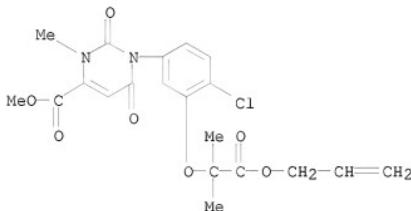
RN 181583-02-8 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 1-[4-chloro-3-[1,1-dimethyl-2-oxo-2-(2-propenyl)ethoxy]phenyl]-1,2,3,6-tetrahydro-2,6-dioxo- (9CI) (CA INDEX NAME)



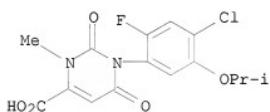
RN 181583-03-9 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 1-[4-chloro-3-(1,1-dimethyl-2-oxo-2-(2-propenyl)ethoxy]phenyl]-1,2,3,6-tetrahydro-3-methyl-2,6-dioxo-, methyl ester (PCI) (CA INDEX NAME)



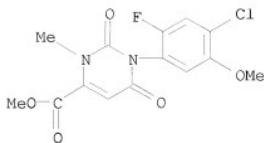
RN 181583-08-4 CAPLUS

CN 4-Pyrimidinecarboxylic acid, 1-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1,2,3,6-tetrahydro-3-methyl-2,6-dioxo- (CA INDEX NAME)

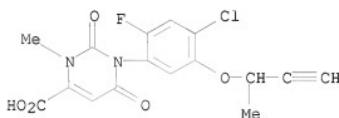


RN 181583-10-8 CAPLUS

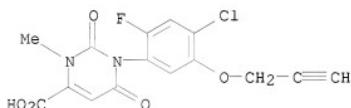
CN 4-Pyrimidinecarboxylic acid, 1-(4-chloro-2-fluoro-5-methoxyphenyl)-1,2,3,6-tetrahydro-3-methyl-2,6-dioxo-, methyl ester (CA INDEX NAME)



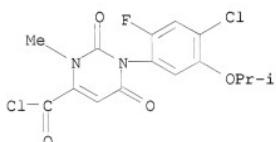
RN 181583-12-0 CAPLUS
 CN 4-Pyrimidinecarboxylic acid, 1-[4-chloro-2-fluoro-5-[(1-methyl-2-propynyl)oxy]phenyl]-1,2,3,6-tetrahydro-3-methyl-2,6-dioxo- (9CI) (CA INDEX NAME)



RN 181583-14-2 CAPLUS
 CN 4-Pyrimidinecarboxylic acid, 1-[4-chloro-2-fluoro-5-(2-propynyloxy)phenyl]-1,2,3,6-tetrahydro-3-methyl-2,6-dioxo- (9CI) (CA INDEX NAME)



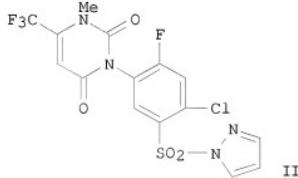
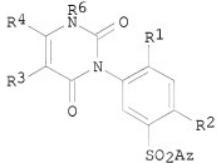
RN 181583-53-9 CAPLUS
 CN 4-Pyrimidinecarbonyl chloride, 1-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-1,2,3,6-tetrahydro-3-methyl-2,6-dioxo- (CA INDEX NAME)



L3 ANSWER 67 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1996:401568 CAPLUS
 DOCUMENT NUMBER: 125:86635
 TITLE: Preparation of pyrimidinylphenylsulfonylazoles as herbicides.
 INVENTOR(S): Andree, Roland Dr; Drewes, Mark Wilhelm Dr; Dollinger, Markus Dr; Santel, Hans-Joachim

PATENT ASSIGNEE(S): Bayer A.-G., Germany
 SOURCE: Ger. Offen., 16 pp.
 CODEN: GWXXBX
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 4439332	A1	19960509	DE 1994-4439332	19941104
CA 2204243	A1	19960517	CA 1995-2204243	19951023
WO 9614315	A1	19960517	WO 1995-EP4146	19951023
W: AU, BB, BG, BR, BY, CA, CN, CZ, FI, HU, JP, KR, KZ, LK, MX, NO, NZ, PL, RO, RU, SK, UA, US				
RM: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 95308686	A	19960531	AU 1995-38686	19951023
EP 789696	A1	19970820	EP 1995-937821	19951023
R: DE, FR, GB				
BR 9509559	A	19970916	BR 1995-9559	19951023
US 6074989	A	20000613	US 1997-817843	19970425
PRIORITY APPLN. INFO.:			DE 1994-4439332	A 19941104
			WO 1995-EP4146	W 19951023
OTHER SOURCE(S):	CASREACT 125:86635; MARPAT 125:86635			
GI				



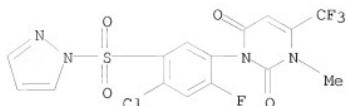
AB Title compds. [I; Az = (substituted) azolyl; R1 = H, cyano, halo; R2 = cyano, NO2, halo, (substituted) alkyl, alkoxy; R3 = H, halo, alkyl, haloalkyl; R4 = H, alkyl, haloalkyl; R5 = H, amino, formyl, (substituted) alkyl, alkenyl, alkynyl], were prepared. Thus, 2-chloro-4-fluoro-5-(3,6-dihydro-3-methyl-4-trifluoromethyl-2,6-dioxo-1(2H)-pyrimidinyl)benzenesulfonyl chloride and pyrazole were stirred with pyridine in CH2Cl2 to give 62% title compound (II). II preemergent gave 100% control of Chenopodium, Panicum, and Polygonum.

IT 178312-74-8P 178312-75-9P 178312-76-0P
 178312-77-1P 178312-78-2P 178312-79-3P
 178312-80-6P 178312-81-7P 178312-82-8P

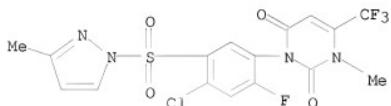
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of pyrimidinylphenylsulfonylazoles as herbicides)

RN 178312-74-8 CAPLUS

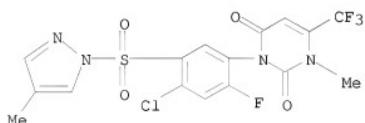
CN 1H-Pyrazole, 1-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]sulfonyl]- (9CI) (CA INDEX NAME)



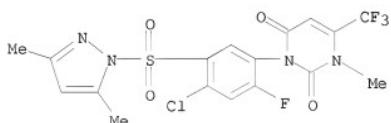
RN 178312-75-9 CAPLUS
 CN 1H-Pyrazole, 1-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl)sulfonyl]-3-methyl- (9CI) (CA INDEX NAME)



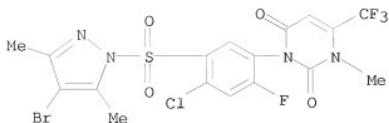
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 CN 1H-Pyrazole, 1-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl)sulfonyl]-4-methyl- (9CI) (CA INDEX NAME)



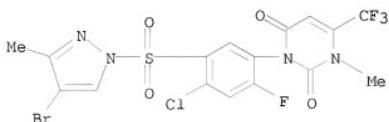
RN 178312-77-1 CAPLUS
 CN 1H-Pyrazole, 1-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl)sulfonyl]-3,5-dimethyl- (9CI) (CA INDEX NAME)



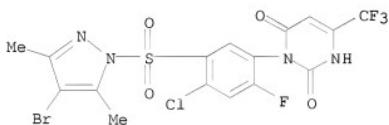
RN 178312-78-2 CAPLUS
 CN 1H-Pyrazole, 4-bromo-1-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl)sulfonyl]-3,5-dimethyl- (9CI) (CA INDEX NAME)



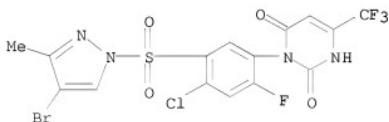
RN 178312-79-3 CAPLUS
 CN 1H-Pyrazole, 4-bromo-1-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl)sulfonyl]-3-methyl-(9CI) (CA INDEX NAME)



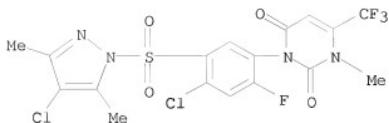
RN 178312-80-6 CAPLUS
 CN 1H-Pyrazole, 4-bromo-1-[(2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl)sulfonyl]-3,5-dimethyl-(9CI) (CA INDEX NAME)



RN 178312-81-7 CAPLUS
 CN 1H-Pyrazole, 4-bromo-1-[(2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl)sulfonyl]-3-methyl-(9CI) (CA INDEX NAME)



RN 178312-82-8 CAPLUS
 CN 1H-Pyrazole, 4-chloro-1-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl)sulfonyl]-3,5-dimethyl-(9CI) (CA INDEX NAME)

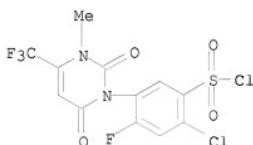


IT 146423-50-9

RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of pyrimidinylphenylsulfonylazoles as herbicides)

RN 146423-50-9 CAPLUS

CN Benzenesulfonyl chloride, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro- (CA INDEX NAME)



L3 ANSWER 68 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1996:349669 CAPLUS

DOCUMENT NUMBER: 125:10844

TITLE: Epoxyphenol derivatives and herbicides containing them as active ingredients.

INVENTOR(S): Takano, Minoru; Enomoto, Masayuki; Saito, Kazuo;
Kizawa, Satoru

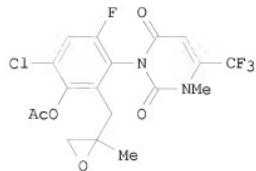
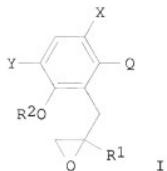
PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan
SOURCE: Eur. Pat. Appl., 73 pp.

DOCUMENT TYPE: Patent

LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 705029	A1	19960410	EP 1995-113619	19950830
R: CH, DE, ES, FR, GB, IT, LI				
JP 08119966	A	19960514	JP 1995-205949	19950811
CA 2156652	A1	19960301	CA 1995-2156652	19950822
BR 9503849	A	19960917	BR 1995-3849	19950830
US 5714437	A	19980203	US 1995-520872	19950830
PRIORITY APPLN. INFO.:			JP 1994-206834	A 19940831
OTHER SOURCE(S):	MARPAT	125:10844		
GI				



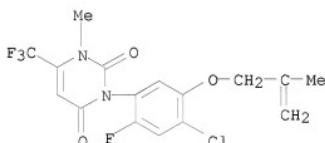
AB Novel compds. I are disclosed [wherein X = H, F, Cl; Y = F, Cl, Br; R1 = H, Cl-3 alkyl; R2 = acyl, (un)substituted phenylalkyl, carboxymethyl, or sulfonyl; Q = various substituted N-containing heterocyclic groups such as tetrahydropthalimido]. Also disclosed are herbicidal compns. containing I, and methods for their herbicidal use. For example, a corresponding [hydroxy(methylpropenyl)phenyl]pyrimidinedione derivative underwent epoxidn. of the methylpropenyl group with m-C10H4C(O)OOH, and O-acetylation of the OH group with Ac2O in pyridine, to give title compound II. Pre- and postemergence application of II at 500 g/ha gave complete control of Abutilon theophrasti, and paddy application at 250 g/ha gave complete control of Echinochloa oryzicola.

IT 159333-12-7

RL: RCT (Reactant); RACT (Reactant or reagent)
(starting material; preparation of N-heterocyclic epoxyphenol derivs. as herbicides)

RN 159333-12-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-methyl-2-propenyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



L3 ANSWER 69 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 19961175614 CAPLUS

DOCUMENT NUMBER: 124:232482

TITLE: Preparation of 4-amino-1-phenylhexahydropyrimidine-2,6-diones as herbicides

INVENTOR(S): Drewes, Mark Wilhelm; Andree, Roland; Schallner, Otto; Santel, Hans-Joachim; Dollinger, Markus

PATENT ASSIGNEE(S): Bayer A.-G., Germany
SOURCE: Ger. Offen., 36 pp.

DOCUMENT TYPE: Patent
LANGUAGE: German

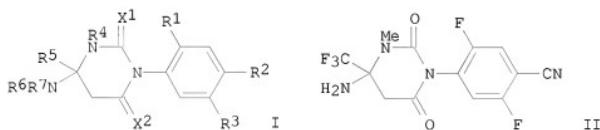
FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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DE 19500118	A1	19951123	DE 1995-19500118	19950104
CA 2190504	A1	19951123	CA 1995-2190504	19950505
WO 9531440	A1	19951123	WO 1995-EP1700	19950505
W: AU, BB, BG, BR, BY, CA, CN, CZ, FI, HU, JP, KR, KZ, LK, MX, NO, NZ, PL, RO, RU, SK, UA, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
EP 759908	A1	19970305	EP 1995-919398	19950505
EP 759908	B1	20030402		
R: BE, CH, DE, ES, FR, GB, IT, LI, NL				
CN 1148852	A	19970430	CN 1995-193126	19950505
CN 1105710	B	20030416		
JP 10500116	T	19980106	JP 1995-529319	19950505
ES 2192202	T3	20031001	ES 1995-919398	19950505
US 5981436	A	19991109	US 1998-69475	19980429
PRIORITY APPLN. INFO.:			DE 1994-4417352	A1 19940518
			DE 1995-19500118	A 19950104
			WO 1995-EP1700	W 19950505
OTHER SOURCE(S):	MARPAT 124:232482			

OTHER SOURCE(S): MARPAT 124:232482
GI



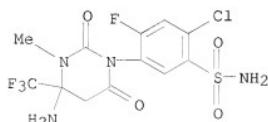
AB Title compds. [I; R1 = H, halo, (halo)alkyl, alkoxy, etc.; R2 = H, halo, (halo)alkyl, alkoxy, CSNH2, etc.; R3 = Z1Z2R; R = H, OH, NH2, NO2, CO2H, halo, alkyl, etc.; R4 = NH2, (halo)alkyl, cycloalkyl; R5 = H, (halo)alkyl; R6 = H, alkyl; R7 = H, alkyl, alkanoyl, alkoxy carbonyl, etc.; X1,X2 = O or S; Z1 = bond, O, S, CO, (alkyl)imino, etc.; Z2 = groups cited for Z1, ak(en)ylene, etc.] were prepared. Thus, title compound II gave 95-100% control of 7 weeds (e.g., 100% control of *Abutilon*) with no damage to corn at 30g/ha preemergent.

IT 174488-34-7P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of 4-amino-1-phenylhexahydropyrimidine-2,6-diones as herbicides)

BN 174488-34-7 CAPLUS

CN Benzenesulfonamide, 5-[4-aminotetrahydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2-chloro-4-fluoro- (CA INDEX NAME)



ACCESSION NUMBER: 1996:167589 CAPLUS
 DOCUMENT NUMBER: 124:202288
 TITLE: Preparation of 3-(dioxopyrimidino)benzoates and
 analogs as herbicides
 INVENTOR(S): Kunz, Walter; Siegrist, Urs; Baumeister, Peter
 PATENT ASSIGNEE(S): Ciba-Geigy A.-G., Switz.
 SOURCE: PCT Int. Appl., 126 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9532952	A1	19951207	WO 1995-EP1875	19950517
W: AM, AU, BB, BG, BR, BY, CA, CN, CZ, EE, FI, GE, HU, IS, JP, KG, KP, KR, KZ, LK, LR, LT, LV, MD, MG, MN, MX, NO, NZ, PL, RO, RU, SG, SI, SK, TJ, TM, TT, UA, US, UZ, VN				
RW: KE, MW, SD, SZ, UG, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
AU 9527348	A	19951221	AU 1995-27348	19950517
ZA 9504324	A	19960125	ZA 1995-4324	19950526
PRIORITY APPLN. INFO.:			CH 1994-1647	A 19940527
			WO 1995-EP1875	W 19950517

OTHER SOURCE(S): MARPAT 124:202288
GI



AB Title compds. [I; R = (YQ)m(CO)nXR2; Q = (cyclo)alkylene; R1 = alk(en)yl, alkyneyl; R2 = (cyclo)alkenyl, haloalkenyl, alkyneyl; R3 = H, halo, alkyl, alkoxy, etc.; R4 = H, F, Cl; R5 = (halo)alkyl, alkenyl, alkyneyl; X = O, S, alkylimino, etc.; Y = O, S, alkylimino, CO2, etc.; m,n = 0 or 1] were prepared as herbicides (no data). Thus, CF3COCH2CO2Et was amidated by 2,5-C1(H2N)C6H3CO2CMe2CO2CH2CH:CH2 and the enamine of the product cyclized with COC12 to give, after N-methylation, I (R = CO2CMe2CO2CH2CH:CH2, R1 = Me, R3 = Cl, R4 = H, R5 = CF3).

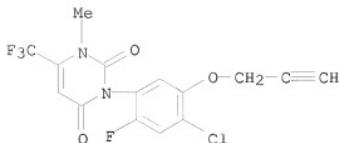
IT 114168-58-0P 114168-61-5P 141976-58-1P

174489-96-4P 174489-97-5P

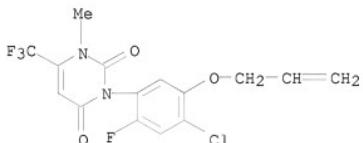
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of 3-(dioxopyrimidino)benzoates and analogs as herbicides)

RN 114168-58-0 CAPLUS

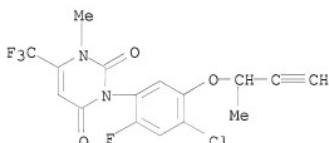
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propynyloxy)phenyl]-1-methyl-6-(trifluoromethyl)-(9CI) (CA INDEX NAME)



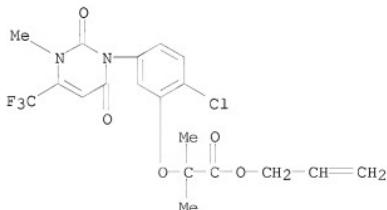
RN 114168-61-5 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propenylxy)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 141976-58-1 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(1-methyl-2-propynyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

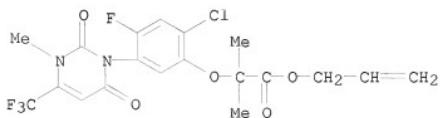


RN 174489-96-4 CAPLUS
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-2-methyl-, 2-propenyl ester (9CI) (CA INDEX NAME)



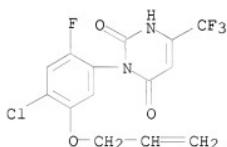
RN 174489-97-5 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-methyl-, 2-propenyl ester (9CI) (CA INDEX NAME)



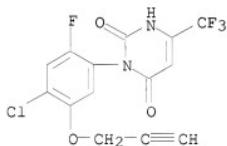
IT 114168-88-6P 114168-89-7P 174489-93-1P
174489-94-2P 174489-95-3P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of 3-(dioxopyrimidino)benzoates and analogs as herbicides)
RN 114168-88-6 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propenylphenoxy)phenyl]-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



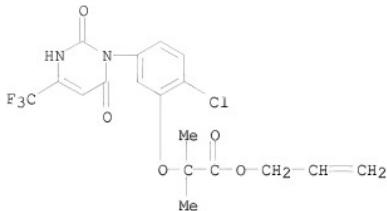
RN 114168-89-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propynylphenoxy)phenyl]-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

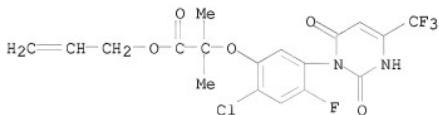


RN 174489-93-1 CAPLUS

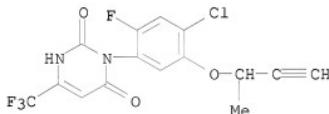
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-2-methyl-, 2-propenyl ester (9CI) (CA INDEX NAME)



RN 174489-94-2 CAPLUS
 CN Propanoic acid, 2-[2-chloro-5-{[2-(trifluoromethyl)-1-(2H-pyrimidinyl)-4-fluorophenoxy]-2-methyl-, 2-propenyl ester (9CI) (CA INDEX NAME)



RN 174489-95-3 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(1-methyl-2-propynyl)oxy]phenyl]-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



L3 ANSWER 71 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1996:167583 CAPLUS
 DOCUMENT NUMBER: 124:202296
 TITLE: Preparation of 6-amino-3-phenylhexahydropyrimidine-2,4-diones as herbicides
 INVENTOR(S): Drewes, Mark-Wilhelm; Andree, Roland; Schallner, Otto;
 Santel, Hans-Joachim; Dollinger, Markus
 PATENT ASSIGNEE(S): Bayer A.-G., Germany
 SOURCE: PCT Int. Appl., 67 pp.
 CODEN: PIXDD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

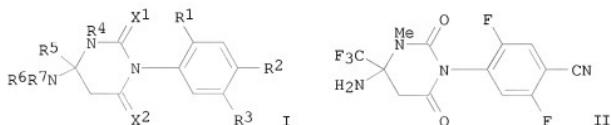
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9531440	A1	19951123	WO 1995-EP1700	19950505

W: AU, BB, BG, BR, BY, CA, CN, CZ, FI, HU, JP, KR, KZ, LK, MX, NO,

NZ, PL, RO, RU, SK, UA, US				
RW: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE,				
BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
DE 19500118	A1	19951123	DE 1995-19500118	19950104
AU 9525253	A	19951205	AU 1995-25253	19950505
EP 759908	A1	19970305	EP 1995-919398	19950505
EP 759908	B1	20030402		
R: BE, CH, DE, ES, FR, GB, IT, LI, NL				
JP 10500116	T	19980106	JP 1995-529319	19950505
PRIORITY APPLN. INFO.:			DE 1994-4417352	A 19940518
			DE 1995-19500118	A 19950104
			WO 1995-EP1700	A 19950505

OTHER SOURCE(S):
GI

MARPAT 124:202296



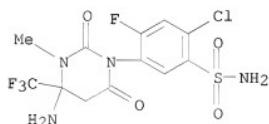
AB Title compds. [I; R1 = H, halo, alkyl, alkoxy, etc.; R2 = H, halo, alkyl, alkoxy, etc.; R3 = Z1Z2R8; R4 = NH2, (cyclo)alkyl, haloalkyl; R5 = H, (halo)alkyl; R6 = h, alkyl; R7 = H, alkyl, alkanoyl, alkoxy carbonyl, etc.; R8 = H, OH, alkyl, aryl, etc.; X1,X2 = O or S; Z1,Z2 = bond, O, SOO-2, (alkyl)imino, alkylene, etc.] were prepared. Thus, F3CC(NH2):CHCO2Et was cyclocondensed with 4-cyano-2,4-difluorophenyl isocyanate and the product aminated by NH3 to give title compound II which gave 95-100% control of weeds (e.g., 100% control of Abutilon) with no damage to corn at 30g/ha preemergent.

IT 174488-34-7P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of 6-amino-3-phenylhexahydropyrimidine-2,4-diones as herbicides)

BN 174488-34-7 CAPLUS

CN Benzenesulfonamide, 5-[4-aminotetrahydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2-chloro-4-fluoro- (CA INDEX NAME)



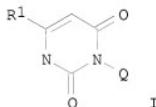
=> d 13 42-61 jibh abs hitstr

L3 ANSWER 42 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2001:376800 CAPLUS
DOCUMENT NUMBER: 134:366896

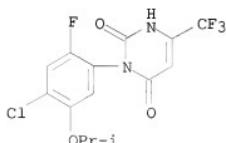
TITLE: Process for producing 3-phenyluracil compounds
 INVENTOR(S): Takano, Minoru; Mishima, Hirofumi
 PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan
 SOURCE: Eur. Pat. Appl., 36 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1101761	A2	20010523	EP 2000-124758	20001113
EP 1101761	A3	20010718		
EP 1101761	B1	20050817		
R: AT, BE, CH, IE, SI, LT, LV, FI, RO	DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,			
US 6339155	B1	20020115	US 2000-709711	20001113
JP 2001322986	A	20011120	JP 2000-347767	20001115
PRIORITY APPLN. INFO.:			JP 1999-323797	A 19991115
			JP 2000-63458	A 20000308

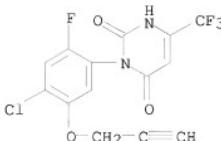
OTHER SOURCE(S): MARPAT 134:366896
GI



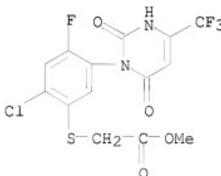
AB The title compds. [I; R1 = perfluoroalkyl; Q = aromatic group] were produced by reacting $\text{RICOCH}_2\text{CONHQ}$ with a cyanate salt in the presence of a protonic acid at 55-150°.
 IT 114136-48-0P 114168-89-7P 134562-54-2P
 340247-06-5P
 RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
 (process for producing 3-phenyluracil compds.)
 RN 114136-48-0 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



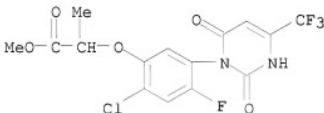
RN 114168-89-7 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propynyloxy)phenyl]-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 134562-54-2 CAPLUS
 CN Acetic acid, [(2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl)thiol]-, methyl ester (9CI) (CA INDEX NAME)



RN 340247-06-5 CAPLUS
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester (CA INDEX NAME)



L3 ANSWER 43 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2001319491 CAPLUS
 DOCUMENT NUMBER: 134:326542
 TITLE: Preparation of 6-hydroxy-5,6-dihydrouracils as herbicides
 INVENTOR(S): Takano, Minoru; Mishima, Hirofumi
 PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan
 SOURCE: Eur. Pat. Appl., 44 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1095935	A1	20010502	EP 2000-123362	20001030
R: AT, BE, CH, IE, SI, LT, LV, FI, RO		DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,		
US 6410484	B1	20020625	US 2000-698211	20001030
JP 2001316375	A	20011113	JP 2000-333016	20001031

PRIORITY APPLN. INFO.:

JP 1999-310756

A 19991101

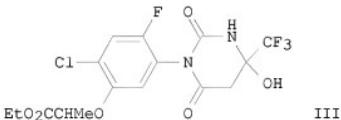
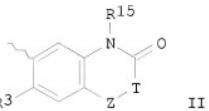
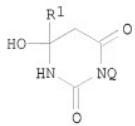
OTHER SOURCE(S):

MARPAT 134:326542

JP 2000-55432

A 20000301

GI



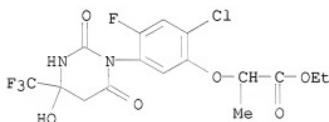
AB 5,6-Dihydrouracil compds. I [R1 = Cl-C2 haloalkyl; Q = II (R3 = H, halo, R15 = C3-C6 alkynyl, etc.; Z = O, S, NH; T = direct bond, methylene) and other Q groups], active as herbicides, were prepared E.g., 5,6-dihydrouracil III was prepared by cyclization of the corresponding amide.

IT 335592-87-5P 335592-88-6P 335592-89-7P
335592-91-1P 335592-93-3P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of 6-hydroxy-5,6-dihydrouracils as herbicides)

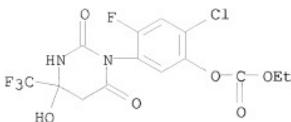
RN 335592-87-5 CAPLUS

CN Propanoic acid, 2-[2-chloro-4-fluoro-5-[tetrahydro-4-hydroxy-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-, ethyl ester (CA INDEX NAME)



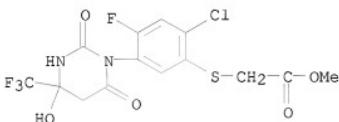
RN 335592-88-6 CAPLUS

CN Carbonic acid, 2-chloro-4-fluoro-5-[tetrahydro-4-hydroxy-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl ethyl ester (CA INDEX NAME)



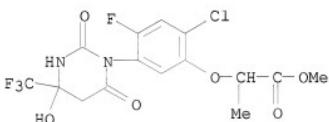
RN 335592-89-7 CAPLUS

CN Acetic acid, [(2-chloro-4-fluoro-5-[tetrahydro-4-hydroxy-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]thio]-, methyl ester (9CI) (CA INDEX NAME)



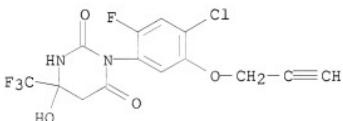
RN 335592-91-1 CAPLUS

CN Propanoic acid, 2-[2-chloro-4-fluoro-5-[tetrahydro-4-hydroxy-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-, methyl ester (CA INDEX NAME)



RN 335592-93-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-propynylxyloxy)phenyl]dihydro-6-hydroxy-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 44 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

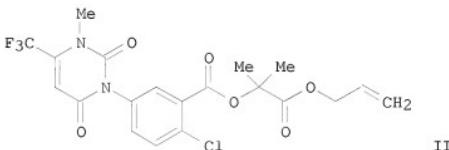
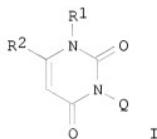
ACCESSION NUMBER: 2001:224400 CAPLUS

DOCUMENT NUMBER: 134:237496

TITLE: Process for the production of 3-aryluracils

INVENTOR(S): Sting, Andrea Rolf
 PATENT ASSIGNEE(S): Syngenta Crop Protection, Inc., USA
 SOURCE: U.S., 19 pp., Cont.-in-part of U.S. Ser. No. 935,778.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6207830	B1	20010327	US 1999-274146 CH 1996-2321 US 1997-935778	19990322 A 19960923 A2 19970923
PRIORITY APPLN. INFO.:			CASREACT 134:237496; MARPAT 134:237496	
OTHER SOURCE(S): GI				



AB Aryl- or heteroaryluracils (I) [wherein R1 = Me or Et; R2 = CF3, ClF2, CC12F, C2F5; Q = an (un)substituted (hetero)aryl group], useful as herbicides, were prepared with substantially increased yields over previous methods by cycloaddn. of isocyanates and enamines in a narrowly restricted temperature ranges, preferably -5°C to +50°C, in the presence of inert solvents, preferably DMF or DMSO, and 0.1 to 0.3 equiv of selected bases, preferably t-BuOK or t-BuCH2OK. Thus, heating 3-methylamino-4,4-trifluorobut-2-enoic acid Et ester in a suspension of DMF and 1 g t-BuOK to 40 to 45°C for 30 min, followed by cooling to 0°C and addition of 5-isocyanato-2-chlorobenzoic acid 1-allyloxycarbonyl-1-methylethyl ester, adjustment of the pH to 7 with 1M HCl, and workup, afforded the uracil II in 86.3% yield.

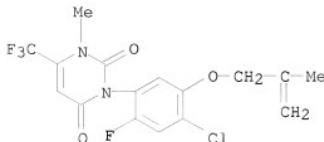
IT 159333-12-7P, 3-(5-Methylallyloxy-4-chloro-2-fluorophenyl)-1-methyl-6-trifluoromethyl-1H-pyrimidine-2,4-dione 205188-63-2P,
 3-[4-Chloro-2-fluoro-5-(2-methoxyiranylmethoxy)phenyl]-1-methyl-6-trifluoromethyl-1H-pyrimidine-2,4-dione

RL: IMP (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
 (process for production of 3-aryluracils by cycloaddn. of isocyanates with enamines in suspensions of inert solvents and selected bases in narrowly restricted temperature ranges)

RN 159333-12-7 CAPLUS

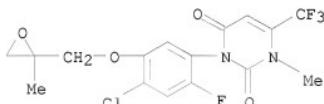
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-methyl-2-

propenyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 205188-63-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-methoxyethyl) methoxymethyl]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 45 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:172793 CAPLUS

DOCUMENT NUMBER: 134:207825

TITLE: Preparation of phenyluracils and their use as herbicides

INVENTOR(S): Enomoto, Masayuki; Goto, Tomohiko

PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 29 pp.

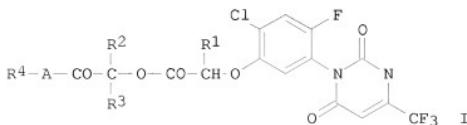
CODEN: JKXXAF

DOCUMENT TYPE: Patent
LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001064266	A	20010313	JP 1999-236976	19990824
PRIORITY APPLN. INFO.:			JP 1999-236976	19990824
OTHER SOURCE(S): GI	MARPAT	134:207825		



AB Phenyluracils I (R1 = H, Me; R2 = H, Cl-3 alkyl, Cl-3 alkoxy; R3 = H, Cl-3 alkyl; R4 = H, Cl-6 alkyl, C3-6 alkenyl, C3-6 alkynyl; A = O, NH) are prepared. Thus, 2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]propionic acid was refluxed with SOC12 in dioxane, concentrated, and treated with Et glycolate in the presence of pyridine and dioxane at room temperature for 1.5 h to give I (R1 = Me, R2 = R3 = H, R4 = Et, A = O), which at 125 g/ha showed 100% postemergence herbicidal activity.

IT 329039-18-1P 329039-19-2P 329039-20-5P

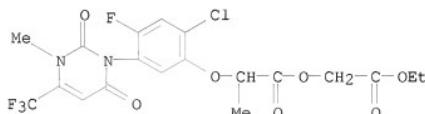
329039-21-6P 329039-22-7P 329039-23-8P

329039-24-9P 329039-25-0P 329039-26-1P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of phenyluracils as herbicides)

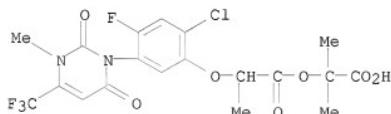
RN 329039-18-1 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-ethoxy-2-oxoethyl ester (CA INDEX NAME)



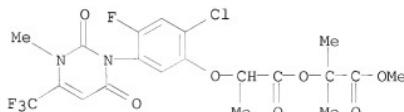
RN 329039-19-2 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1-oxopropoxy]-2-methyl- (CA INDEX NAME)



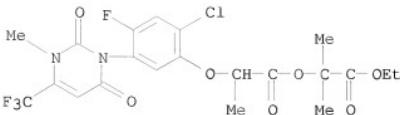
RN 329039-20-5 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1-oxopropoxy]-2-methyl-, methyl ester (CA INDEX NAME)

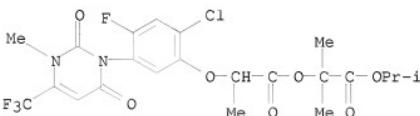


RN 329039-21-6 CAPLUS

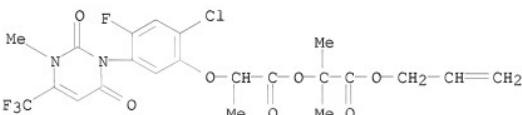
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1-oxopropoxy]-2-methyl-, ethyl ester (CA INDEX NAME)



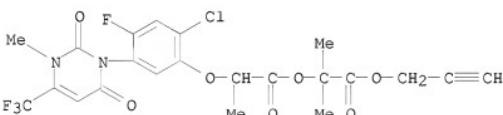
RN 329039-22-7 CAPLUS
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1-oxopropoxy]-2-methyl-, 1-methylethyl ester (CA INDEX NAME)



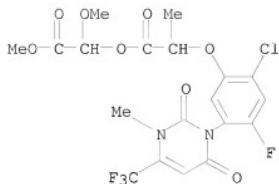
RN 329039-23-8 CAPLUS
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1-oxopropoxy]-2-methyl-, 2-propenyl ester (9CI) (CA INDEX NAME)



RN 329039-24-9 CAPLUS
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1-oxopropoxy]-2-methyl-, 2-propynyl ester (9CI) (CA INDEX NAME)

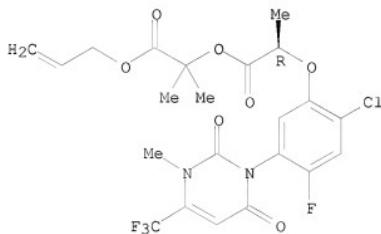


RN 329039-25-0 CAPLUS
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1,2-dimethoxy-2-oxoethyl ester (CA INDEX NAME)

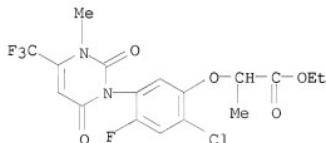


RN 329039-26-1 CAPLUS
 CN Propanoic acid, 2-[2(R)-2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1-oxopropoxy]-2-methyl-, 2-propenyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

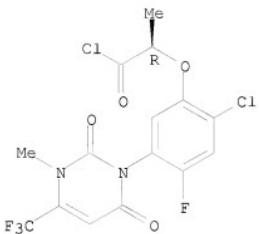


IT 114169-04-9 326851-98-3
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of phenyluracils as herbicides)
 RN 114169-04-9 CAPLUS
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester (CA INDEX NAME)

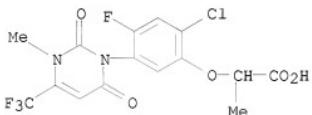


RN 326851-98-3 CAPLUS
 CN Propanoyl chloride, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, (2R)- (CA INDEX NAME)

Absolute stereochemistry.

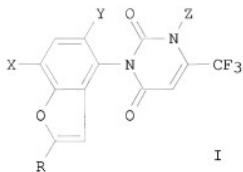


IT 303030-46-8P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (preparation of phenyluracils as herbicides)
 RN 303030-46-8 CAPLUS
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)

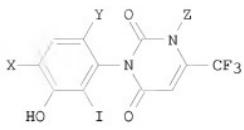


L3 ANSWER 46 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2001:161344 CAPLUS
 DOCUMENT NUMBER: 134:207823
 TITLE: Synthesis and use of herbicidal benzofuranyl derived uracils
 INVENTOR(S): Theodoridis, George; Crawford, Scott D.
 PATENT ASSIGNEE(S): USA
 SOURCE: Statutory Invent. Regist., 5 pp.
 CODEN: SRXEV
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
----- US 1951	H1	20010306	US 1999-469821 US 1999-469821	19991222 19991222
PRIORITY APPLN. INFO.:				
OTHER SOURCE(S):	MARPAT	134:207823		
GI				

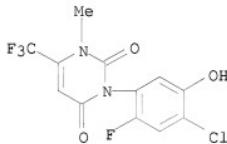


I



II

- AB Compds. of formula I are claimed [wherein; R is (F, OH, alkoxy, CN, COO, alkylcarbonyloxy, alkylsulfonylamino, 1,3-dioxolan-2-yl or 1,3-oxazolin-2-yl)alkyl; X is halo, CN, NO₂ or trihaloalkyl; Y is H or halo; Z is H, alkyl, cyanoalkyl, alkenyl, alkynyl, amino, alkoxyalkyl or alkylcarbonyloxyalkyl with the proviso that when Z is Me or amino R is not hydroxyalkyl, alkoxyalkyl or alkylcarbonyloxyalkyl]. Also claimed are precursors II [wherein; X, Y and Z are as previously described with no proviso for Z]. I (R is CH₂F, X is Cl, Y is F and Z is Me; III) was prepared by coupling/cyclization of the corresponding pyrimidinedione II, with 2-propynol. The hydroxymethyl intermediate was converted to I using diethylaminosulfur trifluoride. Compds. of formula I (in a composition containing one or more compds.) exhibited pre- and post-emergent herbicidal activity, expressed as percent control vs. untreated plants, when applied to soy, wheat, corn, velvetleaf, etc. at 0.001 to 3 kg/ha. III at a dose of 0.10 kg/ha post-emergence gave 100% control of 5 out of 6 standard weeds with only 70% damage to wheat.
- IT 114136-60-6
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(herbicidal benzofuranyl derived uracils and production thereof)
- RN 114136-60-6 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

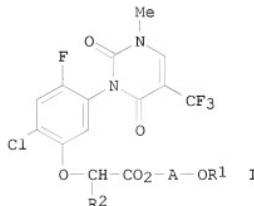


L3 ANSWER 47 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2001:143655 CAPLUS
 DOCUMENT NUMBER: 134:178570
 TITLE: Preparation of phenyluracils and their use as herbicides
 INVENTOR(S): Goto, Tomohiko
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 55 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001055382	A	20010227	JP 1999-231415	19990818
PRIORITY APPLN. INFO.:			JP 1999-231415	19990818
OTHER SOURCE(S):	MARPAT	134:178570		
GI				



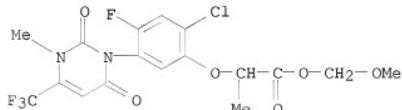
AB Title compds. I (R1 = H, Cl-6 alkyl, Cl-6 haloalkyl, C2-6 alkenyl, C3-6 haloalkenyl, C3-6 alkynyl, etc.; R2 = H, Me; A = (un)substituted C2-5 alkylene, Cl-5 alkylidene) are prepared 2-[2-Chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidinyl-1-ylphenoxy]propionic acid (0.5 g) was condensed with chloromethyl Me ether in the presence of K₂CO₃ in DMF at room temperature for 9 h to give 0.05 g I (A = CH₂, R1 = R2 = Me) showing good inhibitory activity against growth of weed.

IT 326851-95-0P 326851-96-1P 326851-97-2P
326851-99-4P 326852-00-0P 326852-01-1P
326852-02-2P 326852-03-3P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of phenyluracils and their use as herbicides)

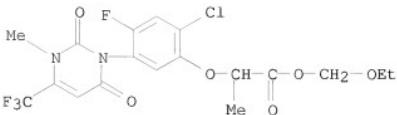
RN 326851-95-0 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methoxymethyl ester (CA INDEX NAME)

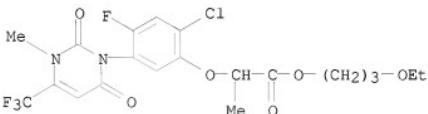


RN 326851-96-1 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethoxymethyl ester (CA INDEX NAME)

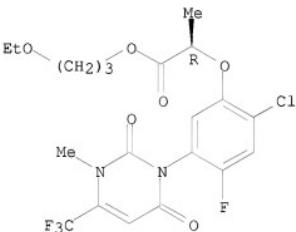


RN 326851-97-2 CAPLUS
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 3-ethoxypropyl ester (CA INDEX NAME)



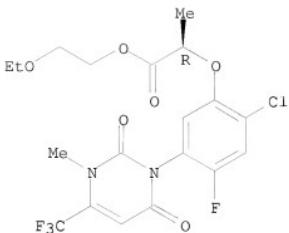
RN 326851-99-4 CAPLUS
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 3-ethoxypropyl ester, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



RN 326852-00-0 CAPLUS
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-ethoxyethyl ester, (2R)- (CA INDEX NAME)

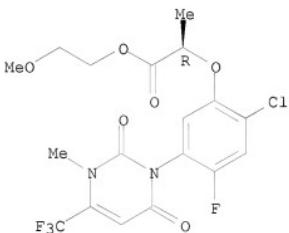
Absolute stereochemistry.



RN 326852-01-1 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-methoxyethyl ester, (2R)- (CA INDEX NAME)

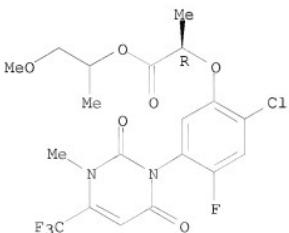
Absolute stereochemistry.



RN 326852-02-2 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-methoxy-1-methylethyl ester, (2R)- (CA INDEX NAME)

Absolute stereochemistry.

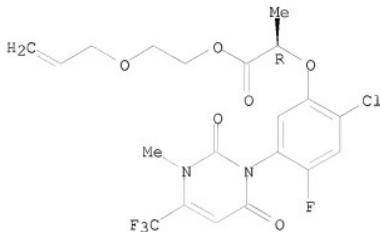


RN 326852-03-3 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-,
2-(2-propenyl)ethyl ester, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

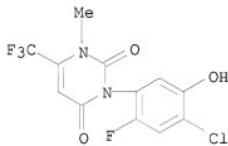


IT 114136-60-6 114169-04-9 280762-82-5
280762-83-6

RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of phenyluracils and their use as herbicides)

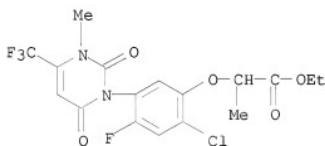
RN 114136-60-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-
6-(trifluoromethyl)- (CA INDEX NAME)



RN 114169-04-9 CAPLUS

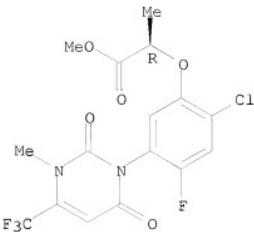
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester (CA INDEX NAME)



RN 280762-82-5 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester,
(2R)- (CA INDEX NAME)

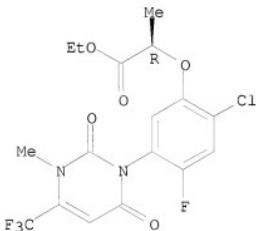
Absolute stereochemistry. Rotation (+).



RN 280762-83-6 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



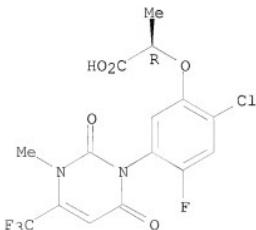
IT 280762-88-1P 303030-46-8P 326851-98-3P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of phenyluracils and their use as herbicides)

RN 280762-88-1 CAPLUS

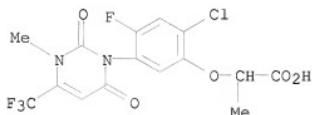
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



RN 303030-46-8 CAPLUS

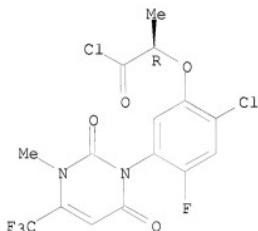
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



RN 326851-98-3 CAPLUS

CN Propanoyl chloride, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



L3 ANSWER 48 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:50630 CAPLUS

DOCUMENT NUMBER: 134:100884

TITLE: Preparation and effect of uracil compounds as herbicides

INVENTOR(S): Shuto, Akira

PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan

SOURCE: PCT Int. Appl., 99 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

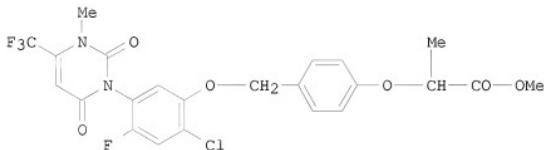
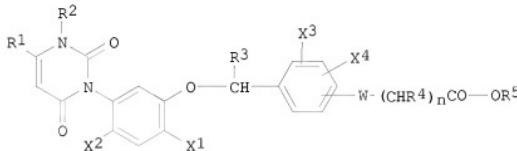
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001004101	A1	20010118	WO 2000-JP4163	20000623
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ,				

CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
 JP 2001072668 A 20010321 JP 2000-83966 20000324
 AU 2000055692 A 20010130 AU 2000-55692 20000623
 US 6664214 B1 20031216 US 2002-19950 20020107
 PRIORITY APPLN. INFO.: JP 1999-193361 A 19990707
 JP 2000-83966 A 20000324
 WO 2000-JP4163 W 20000623

OTHER SOURCE(S): MARPAT 134:100884
 GI



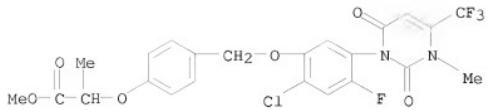
AB Title Uracil compds. [I; wherein W is oxygen or sulfur; R1 and R2 are each (halo)alkyl; R3 is hydrogen, (halo)alkyl, Ph, or cyano; R4 is hydrogen or alkyl; R5 is (halo)alkyl, (halo)alkenyl, or (halo)alkynyl; X1 is halogeno; X2 is hydrogen or halogeno; X3 and X4 are each independently hydrogen, halogeno, (halo)alkyl, (halo)alkenyl, (halo)alkynyl, alkoxyalkyl, (halo)alkoxy, or cyano; and n is an integer of 1 to 4] are prepared and are useful as herbicides. Thus, the title compound II was prepared and tested in field.

IT 319497-51-3P 319497-52-4P 319497-53-5P
 319497-54-6P 319497-55-7P 319497-56-8P
 319497-57-9P 319497-58-0P 319497-59-1P
 319497-60-4P 319497-61-5P 319497-62-6P
 319497-63-7P 319497-64-8P 319497-65-9P
 319497-66-0P 319497-67-1P 319497-68-2P
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 319497-72-8P 319497-74-0P 319497-75-1P

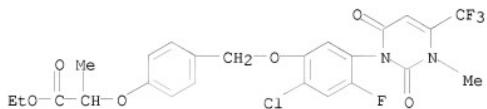
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation and effect of uracil compds. as herbicides)

RN 319497-51-3 CAPLUS

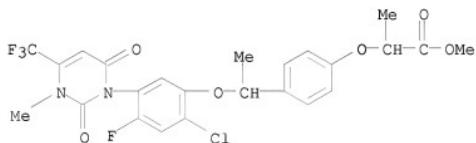
CN Propanoic acid, 2-[4-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)methyl]phenoxy]-, methyl ester (CA INDEX NAME)



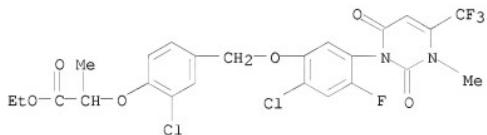
RN 319497-52-4 CAPLUS
 CN Propanoic acid, 2-[4-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)methyl]phenoxy]-, ethyl ester (CA INDEX NAME)



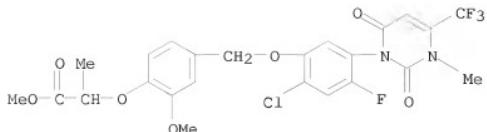
RN 319497-53-5 CAPLUS
 CN Propanoic acid, 2-[4-[(1-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)ethyl]phenoxy]-, methyl ester (CA INDEX NAME)



RN 319497-54-6 CAPLUS
 CN Propanoic acid, 2-[2-chloro-4-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)methyl]phenoxy]-, ethyl ester (CA INDEX NAME)

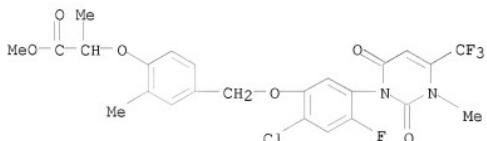


RN 319497-55-7 CAPLUS
 CN Propanoic acid, 2-[4-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)methyl]-2-methoxyphenoxy]-, methyl ester (CA INDEX NAME)



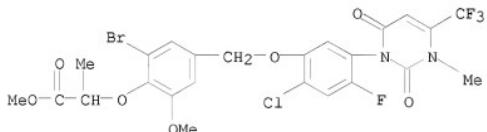
RN 319497-56-8 CAPLUS

CN Propanoic acid, 2-[4-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)methyl]-2-methylphenoxy]-, methyl ester (CA INDEX NAME)



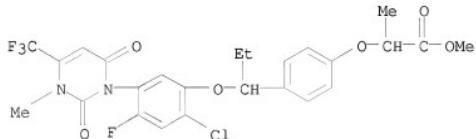
RN 319497-57-9 CAPLUS

CN Propanoic acid, 2-[4-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)methyl]-6-methoxyphenoxy]-, methyl ester (CA INDEX NAME)



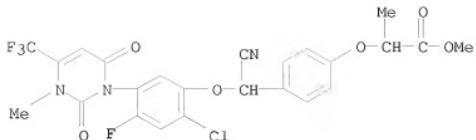
RN 319497-58-0 CAPLUS

CN Propanoic acid, 2-[4-[(1-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)propyl]phenoxy]-, methyl ester (CA INDEX NAME)

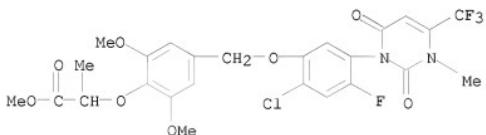


RN 319497-59-1 CAPLUS

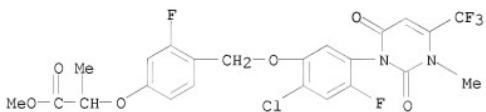
CN Propanoic acid, 2-[4-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)cyanomethyl]phenoxy]-, methyl ester (CA INDEX NAME)



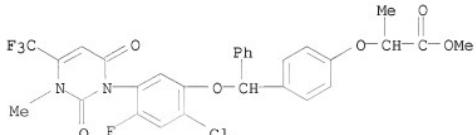
RN 319497-60-4 CAPLUS
 CN Propanoic acid, 2-[4-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)methyl]-2,6-dimethoxyphenoxy]-, methyl ester (CA INDEX NAME)



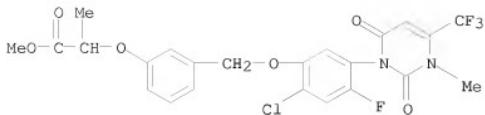
RN 319497-61-5 CAPLUS
 CN Propanoic acid, 2-[4-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)methyl]-3-fluorophenoxy]-, methyl ester (CA INDEX NAME)



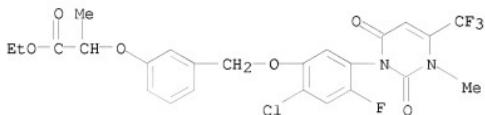
RN 319497-62-6 CAPLUS
 CN Propanoic acid, 2-[4-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)phenylmethyl]phenoxy]-, methyl ester (CA INDEX NAME)



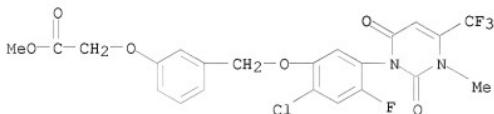
RN 319497-63-7 CAPLUS
 CN Propanoic acid, 2-[3-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)methyl]phenoxy]-, methyl ester (CA INDEX NAME)



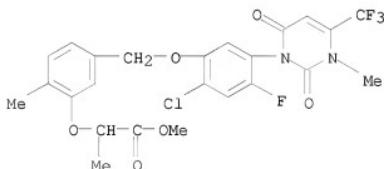
RN 319497-64-8 CAPLUS
CN Propanoic acid, 2-[3-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)methyl]phenoxy]-, ethyl ester (CA INDEX NAME)



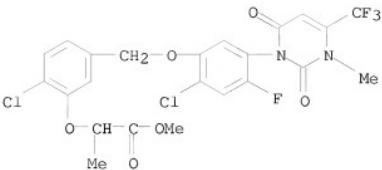
RN 319497-65-9 CAPLUS
CN Acetic acid, [3-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)methyl]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 319497-66-0 CAPLUS
CN Propanoic acid, 2-[5-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)methyl]-2-methylphenoxy]-, methyl ester (CA INDEX NAME)

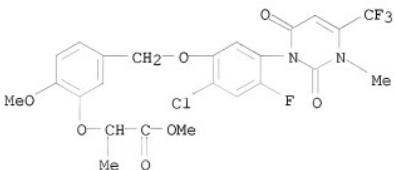


RN 319497-67-1 CAPLUS
CN Propanoic acid, 2-[2-chloro-5-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)methyl]phenoxy]-, methyl ester (CA INDEX NAME)



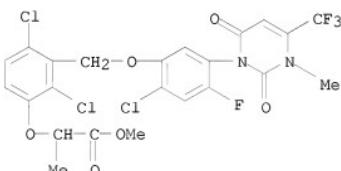
RN 319497-68-2 CAPLUS

CN Propanoic acid, 2-[5-[(2-chloro-5-[(3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)methyl]-2-methoxyphenoxy]-, methyl ester (CA INDEX NAME)



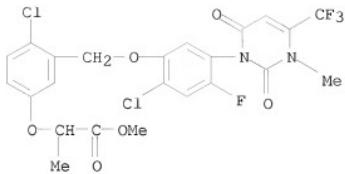
RN 319497-69-3 CAPLUS

CN Propanoic acid, 2-[2,4-dichloro-3-[(2-chloro-5-[(3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)methyl]phenoxy]-, methyl ester (CA INDEX NAME)

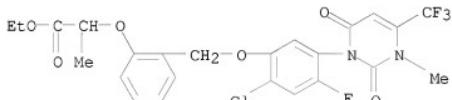


RN 319497-70-6 CAPLUS

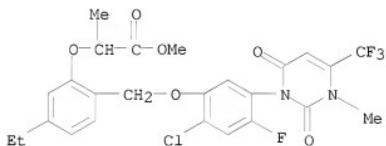
CN Propanoic acid, 2-[4-chloro-3-[(2-chloro-5-[(3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)methyl]phenoxy]-, methyl ester (CA INDEX NAME)



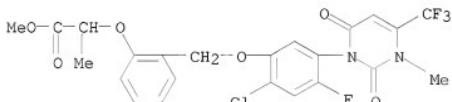
RN 319497-71-7 CAPLUS
 CN Propanoic acid, 2-[2-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)methyl]phenoxy]-, ethyl ester (CA INDEX NAME)



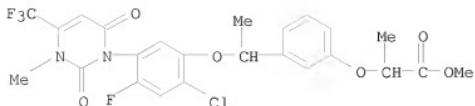
RN 319497-72-8 CAPLUS
 CN Propanoic acid, 2-[2-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)methyl]-5-ethylphenoxy]-, methyl ester (CA INDEX NAME)



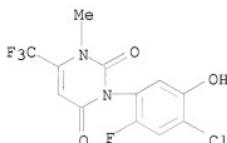
RN 319497-74-0 CAPLUS
 CN Propanoic acid, 2-[2-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)methyl]phenoxy]-, methyl ester (CA INDEX NAME)



RN 319497-75-1 CAPLUS
 CN Propanoic acid, 2-[3-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)ethyl]phenoxy]-, methyl ester (CA INDEX NAME)



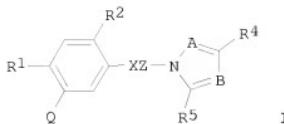
IT 114136-60-6
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation and effect of uracil compds. as herbicides)
 RN 114136-60-6 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-
 6-(trifluoromethyl)- (CA INDEX NAME)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 49 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2000:900269 CAPLUS
 DOCUMENT NUMBER: 134:42133
 TITLE: Preparation of substituted triazoles, imidazoles, and pyrazoles as herbicides.
 INVENTOR(S): Jacobson, Richard Martin; Mulvihill, Mark Joseph; Liu, Changling; Liu, Xiaonan
 PATENT ASSIGNEE(S): Rohm and Haas Company, USA
 SOURCE: Eur. Pat. Appl., 70 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1061075	A2	20001220	EP 2000-304787	20000606
EP 1061075	A3	20010117		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
BR 2000002759	A	20010130	BR 2000-2759	20000613
US 6258751	B1	20010710	US 2000-593096	20000613
MX 2000PA05813	A	20020312	MX 2000-PA5813	20000613
JP 2001031678	A	20010206	JP 2000-177802	20000614
PRIORITY APPLN. INFO.:			US 1999-139152P	P 19990614
OTHER SOURCE(S):	MARPAT	134:42133		
GI				



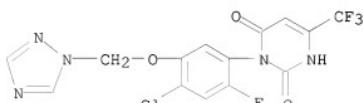
AB Title compds. [I; R1 = H, F, Br, Cl, NO₂, cyano; R2 = F, Cl, Br, H, cyano; R3 = H, cyano, (substituted) alkyl, alkenyl, alkynyl, haloalkyl, cycloalkyl, cycloalkenyl, haloalkenyl, haloalkynyl, alkoxy, alkylthio, alkylsulfonylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, etc.; R4, R5 = H, halo, cyano, (substituted) alkyl, cycloalkyl, haloalkyl, alkoxy, alkylthio, alkylsulfonylalkyl, alkylsulfinylalkyl, aryl, aralkyl, heteroaryl, heteroaralkyl, etc.; Q = NR₇CO₂R₈, 4,5,6,7-tetrahydronaphthalimid-2-yl, 5,6,7,8-tetrahydro-1,2,4-triazolo[4,3-a]pyridin-3(2H)-one-1-yl, etc.; Z = O, CHR₃, CO, CS, CONR₁₂, CSNR₁₂; X = O, S, NR₁₂, CO₂, OCH₂CO₂, etc.; R₆ = H, (substituted) alkyl, cycloalkyl, alkoxy, alkylthio, aryl, aralkyl, etc.; R₇ = H, (substituted) alkyl, alkenyl, alkynyl, haloalkyl, cycloalkyl, alkylsulfonylalkyl, etc.; R₈ = (substituted) alkyl, haloalkyl, cycloalkyl, cycloalkenyl, alkylsulfonylalkyl, aryl, aralkyl, etc.; R₁₀ = H, halo, NH₂, (substituted) alkyl, alkylsulfonylalkyl, alkylsulfinylalkyl, haloalkyl, cyano, alkoxy carbonyl, triazolylmethyl, etc.; R₁₂ = H, alkyl, CO₂R₆, OR₆, SR₆, SO₂R₆, NR₆R₁₃, etc.; R₁₃ = H, alkyl, aryl, aralkyl; A = N, CH; B = N, CR₁₀], were prepared. Thus, 2-(4-chloro-2-fluoro-5-ethoxycarbonylmethoxyphenyl)-4,5,6,7-tetrahydro-2H-isoindole-1,3-dione was stirred with KOH in EtOH followed by evaporation to dryness and reflux with SOC₁₂ in CHCl₃ followed by filtration of KCl and evaporation of the filtrate to dryness. The residue was stirred with 1-hydroxymethyl-1,2,4-triazole in CHCl₃ to give 2-[4-chloro-2-fluoro-5-[(1,2,4-triazolylmethoxy)carbonylmethoxy]phenyl]-4,5,6,7-tetrahydro-2H-isoindole-1,3-dione. The latter at 150 g/ha postemergent gave total control of Solanum nigrum and Abutilon theophrasti.

IT 313046-22-9P 313046-23-0P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of substituted triazoles, imidazoles, and pyrazoles as herbicides)

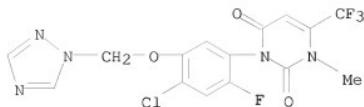
RN 313046-22-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1H-1,2,4-triazol-1-ylmethoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



RN 313046-23-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1H-1,2,4-triazol-1-ylmethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

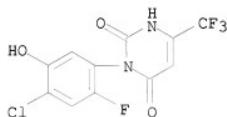


IT 114136-62-8

RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of substituted triazoles, imidazoles, and pyrazoles as herbicides)

RN 114136-62-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-6-(trifluoromethyl)- (CA INDEX NAME)



L3 ANSWER 50 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2000:880911 CAPLUS

DOCUMENT NUMBER: 134:26516

TITLE: Herbicide composition

INVENTOR(S): Mito, Nobuaki

PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan

SOURCE: PCT Int. Appl., 18 pp.

CODEN: PIXD2

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000074487	A1	20001214	WO 2000-JP3460	20000529
W: AB, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
JP 2000351703	A	20001219	JP 1999-159560	19990607
CA 2374163	A1	20001214	CA 2000-2374163	20000529
BR 2000011391	A	20020305	BR 2000-11391	20000529
EP 1183949	A1	20020306	EP 2000-929911	20000529
EP 1183949	B1	20030903		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
AT 248512	T	20030915	AT 2000-929911	20000529
ES 2204600	T3	20040501	ES 2000-929911	20000529

US 6576592
PRIORITY APPLN. INFO.:

B1 20030610

US 2001-980861

20011207

JP 1999-159560

A 19990607

WO 2000-JP3460

W 20000529

AB A wide-spectrum herbicide composition (I) contains as active ingredients of an ester of 2-[2-chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydro pyrimidin-1-yl)phenoxyl]propionic acid, and glyphosate or a salt thereof. This herbicidal composition has synergistic effect as compared with the individual active ingredient. It is useful to control weed, especially weed in corn fields. Control of the Cyperus esculentus with I was shown.

IT 114169-04-9P 280762-87-0P 303030-46-8DP, ester

311810-43-2P 311810-44-3P 311810-45-4P

311810-46-5P 311810-47-6P 311810-48-7P

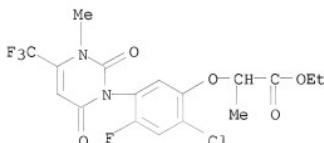
311810-49-8P 311810-50-1P 311810-51-2P

311810-52-3P 311810-53-4P

RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(herbicide composition)

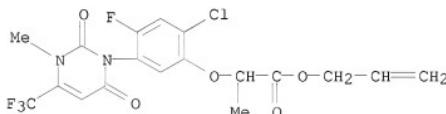
RN 114169-04-9 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester (CA INDEX NAME)



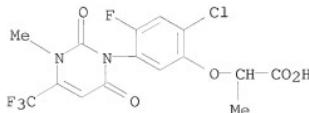
RN 280762-87-0 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-propenyl ester (9CI) (CA INDEX NAME)



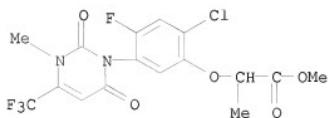
RN 303030-46-8 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



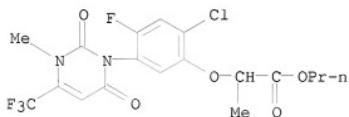
RN 311810-43-2 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester (CA INDEX NAME)



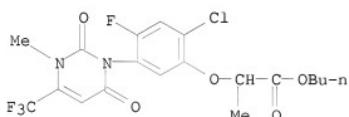
RN 311810-44-3 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, propyl ester (CA INDEX NAME)



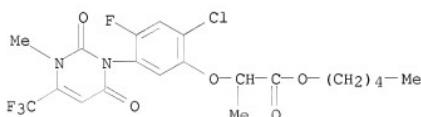
RN 311810-45-4 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, butyl ester (CA INDEX NAME)



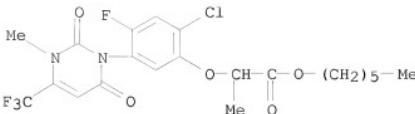
RN 311810-46-5 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, pentyl ester (CA INDEX NAME)

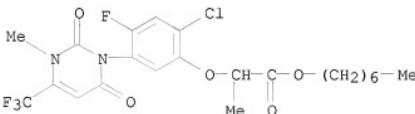


RN 311810-47-6 CAPLUS

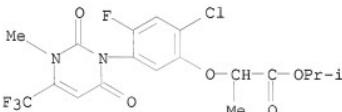
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, hexyl ester (CA INDEX NAME)



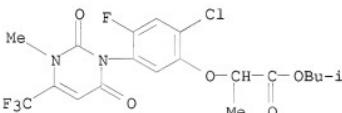
RN 311810-48-7 CAPLUS
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, heptyl ester (CA INDEX NAME)



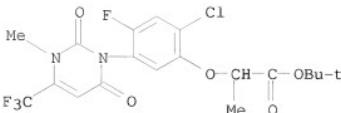
RN 311810-49-8 CAPLUS
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 1-methylethyl ester (CA INDEX NAME)



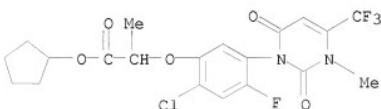
RN 311810-50-1 CAPLUS
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-methylpropyl ester (CA INDEX NAME)



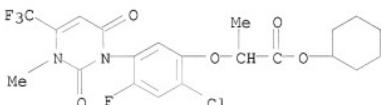
RN 311810-51-2 CAPLUS
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 1,1-dimethylethyl ester (CA INDEX NAME)



RN 311810-52-3 CAPLUS
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, cyclopentyl ester
 (CA INDEX NAME)



RN 311810-53-4 CAPLUS
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, cyclohexyl ester
 (CA INDEX NAME)

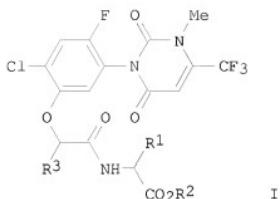


REFERENCE COUNT: 40 THERE ARE 40 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 51 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2000:761960 CAPLUS
 DOCUMENT NUMBER: 133:318531
 TITLE: Phenyluracil compounds and herbicides containing them
 INVENTOR(S): Sanemitsu, Yuzuru
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2000302764	A	20001031	JP 1999-118002	19990426
PRIORITY APPLN. INFO.:			JP 1999-118002	19990426
OTHER SOURCE(S):	MARPAT	133:318531		

GI



AB The compds. I [R1 = H, Cl-6 alkyl which may be substituted with Cl-3 alkoxy, Cl-3 alkylthio, C2-4 alkoxy carbonyl, (un)substituted phenyl; R2 = Cl-6 alkyl, C3-6 alkenyl, C3-6 alkynyl; R3 = H, Me] and herbicides containing I are claimed. An emulsion of I (R1 = CH₂CHMe₂, R2 = R3 = Me) (preparation given) showed excellent herbicidal activity against Xanthium strumarium.

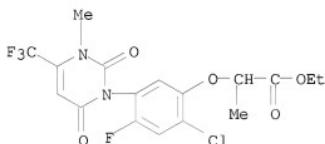
IT 114169-04-9

RL: RCT (Reactant); RACT (Reactant or reagent)

(in preparation of phenyluracil compds. as herbicides)

RN 114169-04-9 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester (CA INDEX NAME)



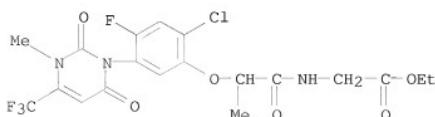
IT 303030-48-0P 303030-49-1P 303030-50-4P

303030-51-5P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of phenyluracil compds. as herbicides)

RN 303030-48-0 CAPLUS

CN Glycine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1-oxopropyl]-, ethyl ester (CA INDEX NAME)

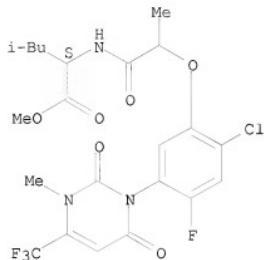


RN 303030-49-1 CAPLUS

CN L-Leucine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1-oxopropyl]-,

methyl ester (CA INDEX NAME)

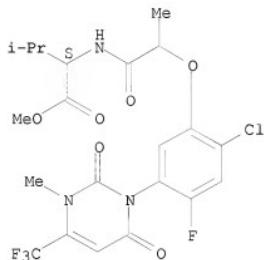
Absolute stereochemistry.



RN 303030-50-4 CAPLUS

CN L-Valine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1-oxopropyl]-, methyl ester (CA INDEX NAME)

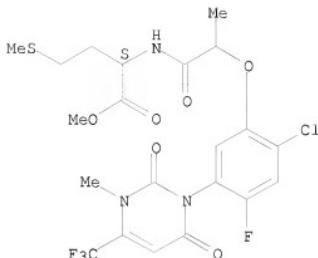
Absolute stereochemistry.



RN 303030-51-5 CAPLUS

CN L-Methionine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1-oxopropyl]-, methyl ester (CA INDEX NAME)

Absolute stereochemistry.



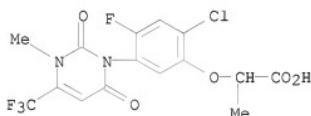
IT 303030-46-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation of phenyluracil compds. as herbicides)

RN 303030-46-8 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



L3 ANSWER 52 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2000:658481 CAPLUS

DOCUMENT NUMBER: 133:238025

TITLE: Preparation of azinyl phenyl ethers as herbicides and plant desiccants.

INVENTOR(S): Pulman, David A.; Ying, Bai-Ping; Wu, Shao-Yong;

Gupta, Sandeep; Tsukamoto, Masamitsu; Haga, Takahiro

PATENT ASSIGNEE(S): Ishihara Sangyo Kaisha, Ltd., Japan

SOURCE: U.S., 47 pp., Cont.-in-part of U.S. Ser. No. 151,306.

CODEN: USXXAM

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

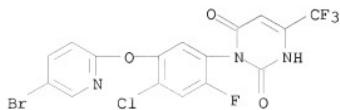
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6121201	A	20000919	US 1998-159233	19980923
US 6303543	B1	20011016	US 2000-570911	20000515
PRIORITY APPLN. INFO.:			US 1998-151306	A2 19980911
			US 1998-159233	A3 19980923

OTHER SOURCE(S): MARPAT 133:238025

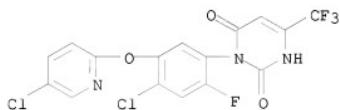
GI

CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-[(5-bromo-2-pyridinyl)oxy]-4-chloro-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



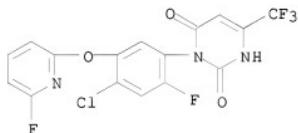
RN 213676-12-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(5-chloro-2-pyridinyl)oxy]-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



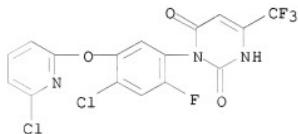
RN 213676-13-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(6-fluoro-2-pyridinyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



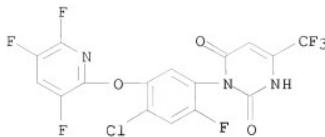
RN 213676-14-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(6-chloro-2-pyridinyl)oxy]-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



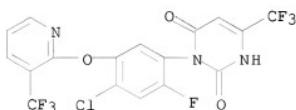
RN 213676-16-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(3,5,6-trifluoro-2-pyridinyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



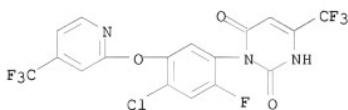
RN 213676-18-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(3-(trifluoromethyl)pyridinyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



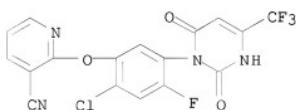
RN 213676-20-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(4-(trifluoromethyl)pyridinyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



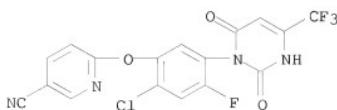
RN 213676-22-3 CAPLUS

CN 3-Pyridinecarbonitrile, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)

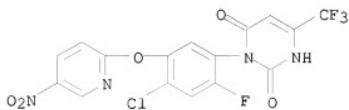


RN 213676-23-4 CAPLUS

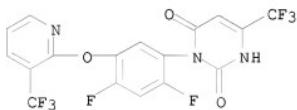
CN 3-Pyridinecarbonitrile, 6-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



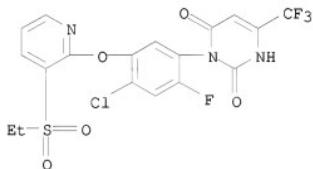
RN 213676-24-5 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(5-nitro-2-pyridinyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



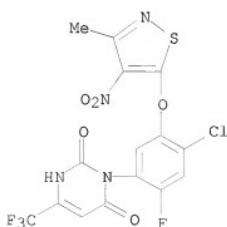
RN 213676-25-6 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-difluoro-5-[(3-(trifluoromethyl)-2-pyridinyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



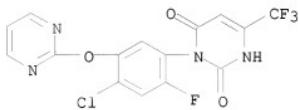
RN 213676-26-7 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(3-(ethylsulfonyl)-2-pyridinyl)oxy]-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



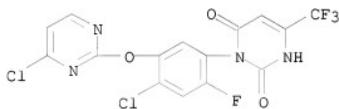
RN 213676-28-9 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(3-methyl-4-nitro-5-isothiazolyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



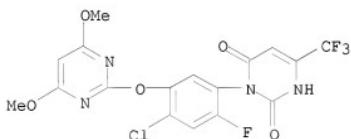
RN 213676-29-0 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-pyrimidinyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



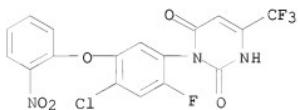
RN 213676-31-4 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4-chloro-2-pyrimidinyl)oxy]-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



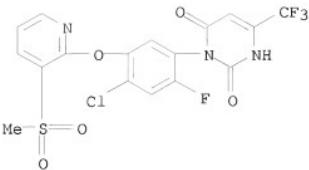
RN 213676-32-5 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4,6-dimethoxy-2-pyrimidinyl)oxy]-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



RN 213676-33-6 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-nitrophenoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)

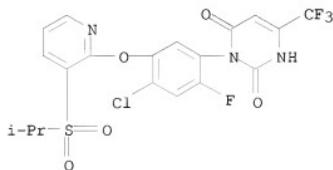


RN 213676-35-8 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(3-(methylsulfonyl)-2-pyridinyl)oxyl]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



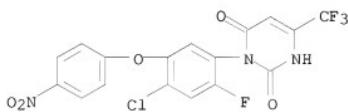
RN 213676-36-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(3-[(1-methylethyl)sulfonyl]-2-pyridinyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



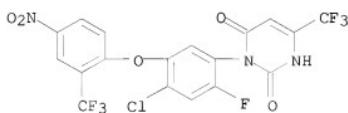
RN 213676-37-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(4-nitrophenoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



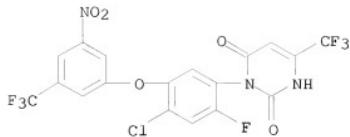
RN 213676-39-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[4-nitro-2-(trifluoromethyl)phenoxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)

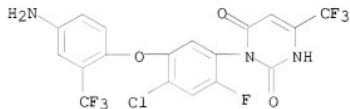


RN 213676-40-5 CAPLUS

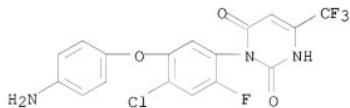
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[3-nitro-5-(trifluoromethyl)phenoxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



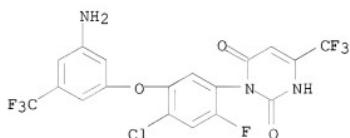
RN 213676-42-7 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-[4-amino-2-(trifluoromethyl)phenoxy]-4-chloro-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



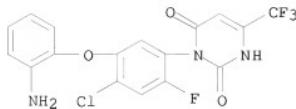
RN 213676-44-9 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-(4-aminophenoxy)-4-chloro-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



RN 213676-45-0 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-[3-amino-5-(trifluoromethyl)phenoxy]-4-chloro-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)

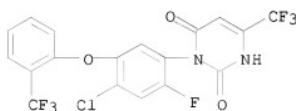


RN 213676-46-1 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-(2-aminophenoxy)-4-chloro-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



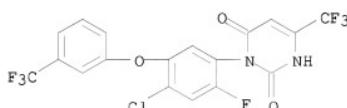
RN 213676-47-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(trifluoromethyl)phenoxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



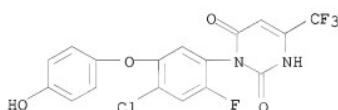
RN 213676-48-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(trifluoromethyl)phenoxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



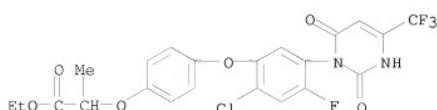
RN 213676-49-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(4-hydroxyphenoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)

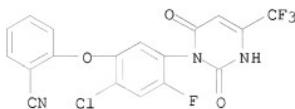


RN 213676-50-7 CAPLUS

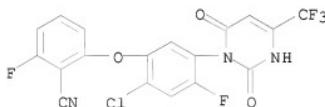
CN Propanoic acid, 2-[4-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxyl]ethyl ester (CA INDEX NAME)



RN 213676-51-8 CAPLUS
CN Benzonitrile, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



RN 213676-52-9 CAPLUS
CN Benzonitrile, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-fluoro- (CA INDEX NAME)



REFERENCE COUNT: 31 THERE ARE 31 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 53 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2000:457418 CAPLUS
DOCUMENT NUMBER: 133:89538
TITLE: Preparation of (dioxopyrimidinophenoxy)propionate enantiomers as herbicides
INVENTOR(S): Sanemitsu, Yuzuru
PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
SOURCE: Ger. Offen., 14 pp.
CODEN: GWXXBX
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 19962506	A1	20000706	DE 1999-19962506	19991223
ZA 9907675	A	20000627	ZA 1999-7675	19991214
AU 9965260	A1	20000629	AU 1999-65260	19991215
ES 2166681	A1	20020416	ES 1999-2789	19991220
ES 2166681	B1	20030616		
CA 2293018	A1	20000625	CA 1999-2293018	19991221
GB 2345059	A	20000628	GB 1999-30203	19991221
GB 2345059	B	20010214		
JP 2000319264	A	20001121	JP 1999-362407	19991221
IT 99TO1139	A1	20010622	IT 1999-T01139	19991222
IT 1308681	B1	20020109		
FR 2787788	A1	20000630	FR 1999-16372	19991223
FR 2787788	B1	20021011		
KR 2000052557	A	20000825	KR 1999-61118	19991223
BR 9905971	A	20000829	BR 1999-5971	19991223
CN 1270167	A	20001018	CN 1999-127774	19991223
US 6391826	B1	20020521	US 1999-471245	19991223

AU 2004205224
PRIORITY APPLN. INFO.:

A1 20040923

AU 2004-205224

20040825

JP 1998-370828

A 19981225

JP 1999-55560

A 19990303

AU 1999-65260

A3 19991215

OTHER SOURCE(S): MARPAT 133:89538

AB (R)-enantiomers of RZOCMeCO₂R1 (R = 2,6-dioxo-3-methyl-4-trifluoromethyl-1,2,3,6-tetrahydropyrimidin-1-yl; Z = 4-chloro-2-fluoro-1,5-phenylene) [I; R1 = alk(en)yl] were prepared. Thus, RZOH was etherified by (S)-HOCHMeCO₂Me to give (R)-I (R1 = Me). Data for biol. activity of I were given.

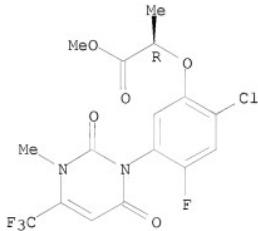
IT 280762-82-5P 280762-83-6P 280762-84-7P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of (dioxopyrimidinophenoxy)propionate enantiomers as herbicides)

RN 280762-82-5 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester, (2R)- (CA INDEX NAME)

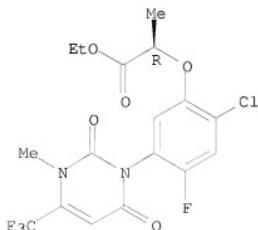
Absolute stereochemistry. Rotation (+).



RN 280762-83-6 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester, (2R)- (CA INDEX NAME)

Absolute stereochemistry.

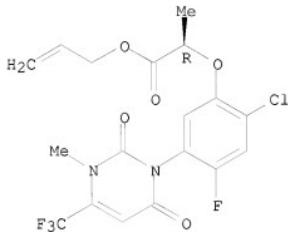


RN 280762-84-7 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-propenyl ester,
(2R)- (CA INDEX NAME)

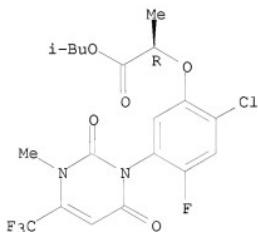
Absolute stereochemistry. Rotation (+).



RN 280762-85-8 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-methylpropyl ester, (2R)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

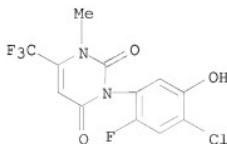


IT 114136-60-6

RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of (dioxopyrimidinophenoxy)propionate enantiomers as
herbicides)

RN 114136-60-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-
6-(trifluoromethyl)- (CA INDEX NAME)



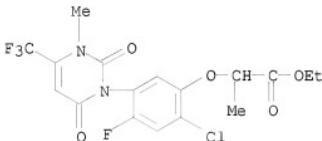
IT 114169-04-9P 280762-86-9P 280762-87-0P

280762-88-1P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of (dioxopyrimidinophenoxy)propionate enantiomers as
herbicides)

RN 114169-04-9 CAPLUS

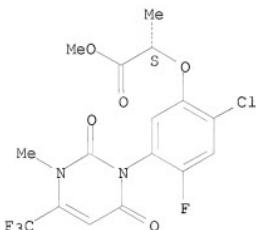
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-
(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester (CA
INDEX NAME)



RN 280762-86-9 CAPLUS

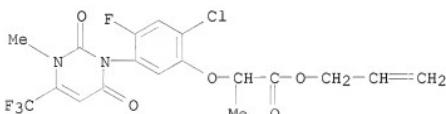
CN Propionic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-
(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester,
(2S)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



RN 280762-87-0 CAPLUS

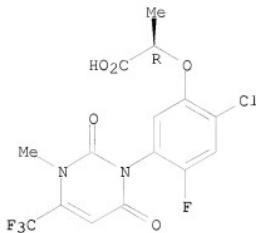
CN Propionic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-
(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-propenyl ester
(9CI) (CA INDEX NAME)



RN 280762-88-1 CAPLUS

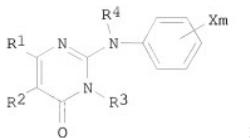
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-
(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, (2R)- (CA INDEX
NAME)

Absolute stereochemistry.



L3 ANSWER 54 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2000:351507 CAPLUS
 DOCUMENT NUMBER: 132:347582
 TITLE: 2-Anilino-4(3H)-pyrimidinone derivatives,
 intermediates in the production thereof, process for
 producing the same and pesticides containing the same
 as the active ingredient
 INVENTOR(S): Hirai, Kenji; Ohno, Ryuta; Okano, Natsuko; Nagaoka,
 Maho; Uchida, Atsushi; Yoshino, Yuriko; Ota, Chikako;
 Fukuchi, Toshiki; Kikutake, Kazuhiko; Kawaguchi,
 Shinji
 PATENT ASSIGNEE(S): Sagami Chemical Research Center, Japan; Mitsubishi
 Chemical Corporation
 SOURCE: PCT Int. Appl., 241 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2000029387	A1	20000525	WO 1999-JP6207	19991108
W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
PRIORITY APPLN. INFO.:			JP 1998-321181	A 19981112
			JP 1998-321182	A 19981112
OTHER SOURCE(S): GI	MARPAT	132:347582		



AB 2-Anilino-4(3H)-pyrimidinone derivs. represented by general formula I; R1 = halo, Cl-4 alkyl, Cl-4 haloalkyl, (un)substituted Ph; R2 = H, halo; R3 = (un)substituted aryl, 2-(Cl-4 alkoxy)ethyl, (un)substituted vinyl; R4 = H, Cl-4 alkyl, C3-4 alkenyl, Cl-4 haloalkyl, Cl-4 alkoxy-Cl-4 alkyl, Cl-4 alkoxy-Cl-4 alkoxy-Cl-4 alkyl, etc.; X = H, halo, Cl-4 alkyl, Cl-4 haloalkyl, C3-6 alkenyl, C3-6 alkynyl, Cl-5 acyl, CO2H, Cl-4 alkoxy carbonyl, cyano, OH, etc.; m = 1-5, provided that when m is 2-5, Xs are same or different] are prepared. These compds. have excellent effects of, for example, repelling, exterminating or controlling pests such as arthropods (insects and mites), nematodes, helminths, and protozoa which damage crop plants and cattle under growing and harvested crops in agriculture and animal husbandry, woods and ornamental plants, and diseases and weeds harmful to agricultural and horticultural crops. Thus, 4-nitro-2-(trifluoromethyl)aniline was added to a suspension of NaH in DMF, stirred at 0° for 30 min, and condensed with 2-methylthio-3-phenyl-6-trifluoromethyl-4(3H)-pyrimidinone at 0° for 30 min and at 60° for 3 h to give 39% 2-[{4-nitro-2-(trifluoromethyl)phenyl}amino]-3-phenyl-6-trifluoromethyl-4(3H)-pyrimidinone. The latter compound was chlorinated by SO2Cl2 to give 99% 5-chloro-{[4-nitro-2-(trifluoromethyl)phenyl]amino}-3-phenyl-6-trifluoromethyl-4(3H)-pyrimidinone (II). II at 500 ppm killed 100% larvae of Nephrotettix cincticeps on rice seedlings.

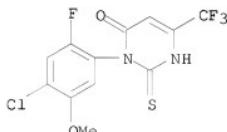
IT 269736-30-3P

RL: RCT (Reactant); **SPN** (Synthetic preparation); **PREP** (Preparation); **RACT** (Reactant or reagent)

(preparation of anilino-4(3H)-pyrimidinone derivs. as pesticides and herbicides)

RN 269736-30-3 CAPLUS

CN 4(1H)-Pyrimidinone, 3-(4-chloro-2-fluoro-5-methoxyphenyl)-2,3-dihydro-2-thioxo-6-(trifluoromethyl)- (CA INDEX NAME)



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 55 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1999:404956 CAPLUS

DOCUMENT NUMBER: 131:58844

TITLE: Preparation of 3-(4-benzazolyl)pyrimidine-2,4-diones as herbicides

INVENTOR(S):

Reinhard, Robert; Hamprecht, Gerhard; Menges, Markus;
 Menke, Olaf; Schafer, Peter; Zagar, Cyrill;
 Heistracher, Elisabeth; Otten, Martina; Walter,
 Helmut; Westphalen, Karl-Otto

PATENT ASSIGNEE(S):

BASF A.-G., Germany
 PCT Int. Appl., 90 pp.

DOCUMENT TYPE:

Patent

LANGUAGE:

German

FAMILY ACC. NUM. COUNT:

1

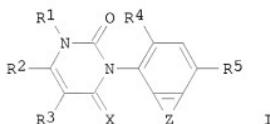
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9931091	A1	19990624	WO 1998-EP8098	19981211
W: AL, AU, BG, LT, LV, MK, AM, AZ, KG, RW: AT, BE, CH, PT, SE	BR, BY, CA, CN, MX, NO, NZ, PL, MD, TJ, TM CY, DE, DK, ES, FI, DE, DK, ES, FR, GB, IE, SI, FI, RO			
DE 19755926	A1	19990624	DE 1997-19755926	19971217
CA 2312703	A1	19990624	CA 1998-2312703	19981211
AU 9918785	A	19990705	AU 1999-18785	19981211
BR 9813613	A	20001010	BR 1998-13613	19981211
EP 1047693	A1	20001102	EP 1998-963564	19981211
R: AT, BE, CH, IE, SI, FI,	DE, DK, ES, FR, GB, IT, LI, LU, NL, SE, MC, PT, RO			
JP 20020508369	T	20020319	JP 2000-539015	19981211
ZA 9811490	A	20000615	ZA 1998-11490	19981215
IN 2000CN00107	A	20050304	IN 2000-CN107	20000608
BG 104546	A	20010831	BG 2000-104546	20000619
PRIORITY APPLN. INFO.:			DE 1997-19755926	A 19971217
			WO 1998-EP8098	W 19981211

OTHER SOURCE(S):

MARPAT 131:58844

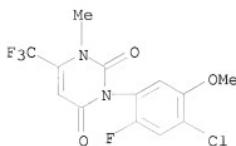
GI



AB Title compds. [I; R1 = H, NH2, (halo)alkyl; R2 = H, halo, (halo)alkyl, SOO-2R; R = alkyl; R3 = H, halo, alkyl; R4 = H or halo; R5 = cyano, halo, (halo)alkyl, (halo)alkoxy; X = O or S; Z = N:NNR6 or NC(ZIR7)Z2; R6 = (un)substituted alkyl, alkylsulfonyl, alkanoyl, etc.; Z1 = bond and R7 = H, halo, OH, etc.; Z1 = O, SOO-2, (un)substituted NH and R7 = (un)substituted alkyl, phenyl(alkyl), heterocyclyl, etc.; Z2 = NR6, O, S] were prepared as herbicides (no data). Thus, 4,2-FClC6H3NH2 was converted in 8 steps to 4-amino-7-chloro-5-fluoro-1-methylbenzotriazole which was amidated by ClCO2Et and the product cyclocondensed with CF3C(NH2):CHCO2Et to give I (R1 = R3 = H, R2 = CF3, R4 = F, R5 = Cl, X = O, Z = N:NNMe).
 IT 111468-57-9

RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of 3-(4-benzazolyl)pyrimidine-2,4-diones as herbicides)

RN 114168-57-9 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-methoxyphenyl)-1-methyl-
6-(trifluoromethyl)- (CA INDEX NAME)



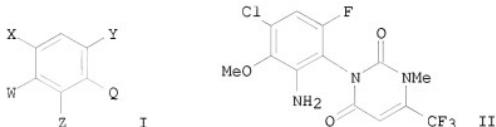
REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 56 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1999:297407 CAPLUS
DOCUMENT NUMBER: 130:338118
TITLE: Preparation of heterocyclbenzenes as herbicides and defoliants.
INVENTOR(S): Gupta, Sandeep; Tsukamoto, Masamitsu; Pulman, David A.; Ying, Bai-ping; Wu, Shao-yong
PATENT ASSIGNEE(S): ISK Americas Incorporated, USA
SOURCE: PCT Int. Appl., 139 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9921837	A1	19990506	WO 1998-US17197	19980821
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2307815	A1	19990506	CA 1998-2307815	19980821
AU 9895650	A	19990517	AU 1998-95650	19980821
AU 749237	B2	20020620		
EP 1030843	A1	20000830	EP 1998-949302	19980821
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI				
HU 2000004151	A2	20010228	HU 2000-4151	19980821
HU 2000004151	A3	20011228		
JP 2001521027	T	20011106	JP 2000-517949	19980821
BR 9814104	A	20011226	BR 1998-14104	19980821
CN 1673219	A	20050928	CN 2005-10062898	19980821
CN 1680274	A	20051012	CN 2005-10065271	19980821
IN 194718	A1	20041127	IN 1998-DE3083	19981021
ZA 9809639	A	19990426	ZA 1998-9639	19981022
TW 533200	B	20030521	TW 1998-87117635	19981023
EG 22047	A	20020630	EG 1998-1309	19981027
MX 200004042	A	20010306	MX 2000-4042	20000426
US 6355799	B1	20020312	US 2000-530373	20000427

US 39590	E1	20070424	US 2000-797936	20000427
US 2002133007	A1	20020919	US 2001-930149	20010816
US 6545161	B2	20030408		
PRIORITY APPLN. INFO.:			US 1997-958313	A2 19971027
			CN 1998-812711	A3 19980821
			WO 1998-US17197	W 19980821
			US 2000-530373	E 20000427

OTHER SOURCE(S): MARPAT 130:338118
GI



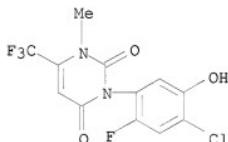
AB Title compds. [I; X = H, halo, NO₂, amino, NHR, NR₂, amide, thioamide, cyano, alkylcarbonyl, alkoxy carbonyl, alkylsulfonamide, (substituted) alkyl, haloalkyl, alkoxy, haloalkoxy, alkoxy carbonyloxy, PhCH₂O, aryloxy, heteroaryloxy; Y = H, halo, NO₂; W = H, OR, SR, NHR, NR₂, CH₂R, CHR₂, CR₃, halo, NO₂, cyano; R = H, (substituted) alkyl, alkenyl, alkynyl, cycloalkyl, aryl, heteroaryl, alkoxy, cycloalkoxy, aryloxy, heteroaryloxy, alkylsulfonyl, PhCH₂, alkylcarbonyl, aryloxy carbonyl, etc.; Q = (substituted) heterocycl; Z = amino, OH, SH, CHO, CO₂H, cyano, alkylcarbonyl, arylcarbonyl, N₃, etc.] were prepared Thus, 3-(4-chloro-6-fluoro-3-methoxy-2-nitrophenyl)-1-methyl-6-trifluoromethyl-2,4(1H,3H)-pyrimidinedione (preparation given) was stirred with Fe powder in HOAc to give title compound (II). II at 7.8 g/ha postemergent gave 100% control of Amaranthus retroflexus and Abutilon theophrasti.

IT 114136-60-6 114136-62-8 114168-84-2

RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of heterocyclic benzenes as herbicides and defoliants)

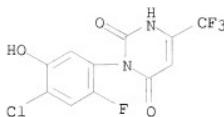
RN 114136-60-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

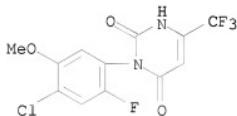


BN 114136-63-8 CABIUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-6-(trifluoromethyl)- (CA INDEX NAME)



RN 114168-84-2 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-methoxyphenyl)-6-(trifluoromethyl)- (CA INDEX NAME)

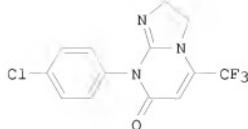
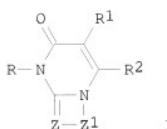


REFERENCE COUNT: 12 THERE ARE 12 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 57 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 1999:193937 CAPLUS
 DOCUMENT NUMBER: 130:237582
 TITLE: Preparation of 8-phenyl-2,3-dihydroimidazo[1,2-a]pyrimidin-7(8H)-ones and analogs as herbicides
 INVENTOR(S): Komori, Takashi; Hoshi, Hisayuki
 PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan
 SOURCE: Eur. Pat. Appl., 422 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 902029	A1	19990317	EP 1998-116703	19980903
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 11217384	A	19990810	JP 1998-276722	19980820
BR 9803368	A	20010424	BR 1998-3368	19980902
CN 1210861	A	19990317	CN 1998-118894	19980904
US 5998333	A	19991207	US 1998-148403	19980904
US 6191070	B1	20010220	US 1998-148074	19980904
PRIORITY APPLN. INFO.:			JP 1997-241573	A 19970905
			JP 1997-370043	A 19971128

OTHER SOURCE(S): MARPAT 130:237582
 GI



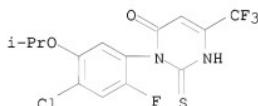
AB Title compds. [I; R = YZ2, heteroannelated Ph, etc.; R1 = H or alkyl; R2 = haloalkyl; Y = halo, NO₂, cyano, CF₃; Z = N or CH; Z1 = (un)substituted CH₂CH₂; -(CH₂)₃, -CH₂CH; Z2 = (un)substituted 1,4-phenylene]. were prepared Thus, 4-ClC₆H₄NCS was esterified by EtOH and the product cyclocondensed with (CH₂NH₂)₂ to give 2-(4-chloroanilino)-2-imidazoline which was cyclocondensed with CF₃COCH₂CO₂Et to give title compound II. Data for biol. activity of I were given.

IT 221245-34-7P 221245-43-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of 8-phenyl-2,3-dihydroimidazo[1,2-a]pyrimidin-7(8H)-ones and analogs as herbicides)

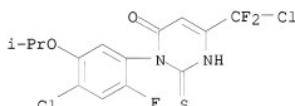
RN 221245-34-7 CAPLUS

CN 4(1H)-Pyrimidinone, 3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-2,3-dihydro-2-thioxo-6-(trifluoromethyl)- (CA INDEX NAME)



RN 221245-43-8 CAPLUS

CN 4(1H)-Pyrimidinone, 6-(chlorodifluoromethyl)-3-[4-chloro-2-fluoro-5-(1-methylethoxy)phenyl]-2,3-dihydro-2-thioxo- (CA INDEX NAME)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 58 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1998:794990 CAPLUS

DOCUMENT NUMBER: 130:38393

TITLE: Preparation of (iminopropoxyphenyl)uracils as herbicides

INVENTOR(S): Drewes, Mark Wilhelm; Andree, Roland; Dollinger, Markus

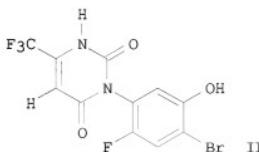
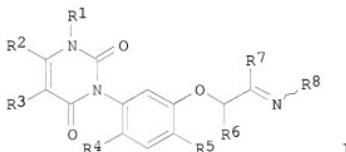
PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany

SOURCE: PCT Int. Appl., 36 pp.

DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9854155	A1	19981203	WO 1998-EP2861	19980514
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
DE 19722031	A1	19981203	DE 1997-19722031	19970527
CA 2291448	A1	19981203	CA 1998-2291448	19980514
AU 9881042	A	19981230	AU 1998-81042	19980514
AU 735744	B2	20010712		
EP 984945	A1	20000315	EP 1998-930691	19980514
EP 984945	B1	20050427		
R: BE, CH, DE, DK, ES, FR, GB, IT, LI, NL				
BR 9809670	A	20000711	BR 1998-9670	19980514
JP 2001526697	T	20011218	JP 1999-500161	19980514
US 6245715	B1	20010612	US 1999-423914	19991116
MX 9910948	A	20000430	MX 1999-10948	19991126
PRIORITY APPLN. INFO.:			DE 1997-19722031	A 19970527
			WO 1998-EP2861	W 19980514

OTHER SOURCE(S): MARPAT 130:38393
 GI



AB The title compds. [I; R1 = H, amino, (un)substituted alkyl; R2 = carboxy, cyano, (thio)carbamoyl, (un)substituted alkyl, alkoxy carbonyl; R3 = H, halo, (un)substituted alkyl; R4 = H, halo, cyano, thiocarbamoyl; R5 = halo, cyano, carbamoyl; R6 = H, (un)substituted alkyl; R7 =

(un)substituted alkyl; R8 = OH, amino, (un)substituted alkyl(amino), alkenyl, alkynyl, alkoxy, alkylcarbonylamino, aryl(oxy), arylsulfonylamino, etc.] were prepared. For example, acylation of 4-bromo-2-fluoro-5-hydroxyaniline with ClCO₂Et and cyclocondensation of N,O-diacyl intermediate with Et 3-amino-4,4-trifluorocrotonate gave uracil derivative II which was etherified with MeCOCHClMe, the (oxopropoxyphenyl)uracil deriv N-methylated and condensed with MeONH₂ to give a title compound I (R1, R6, R7 = Me, R2 = CF₃, R3 = H, R4 = F, R5 = Br, R8 = MeO). The latter at 15-60 g/ha postemergence gave 100% control of Abutilon, Datura, Solanum and Viola with no adverse effect on wheat.

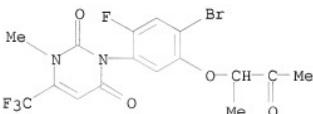
IT 216988-78-2P 216988-81-7P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and condensation with O-methylhydroxylamine; preparation of (iminopropoxyphenyl)uracils as herbicides)

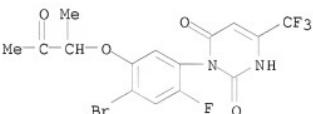
RN 216988-78-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-(1-methyl-2-oxopropoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 216988-81-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-(1-methyl-2-oxopropoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



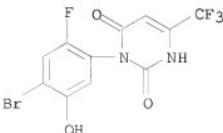
IT 216988-80-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and etherification with chlorobutanone; preparation of (iminopropoxyphenyl)uracils as herbicides)

RN 216988-80-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-bromo-2-fluoro-5-hydroxyphenyl)-6-(trifluoromethyl)- (CA INDEX NAME)



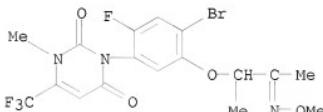
IT 216988-68-0P 216988-70-4P 216988-72-6P

216988-73-7P 216988-74-8P 216988-75-9P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of (iminopropoxypyphenyl)uracils as herbicides)

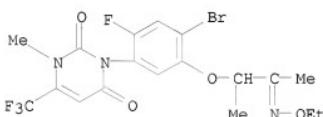
RN 216988-68-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-[2-(methoxyimino)-1-methylpropoxypyphenyl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



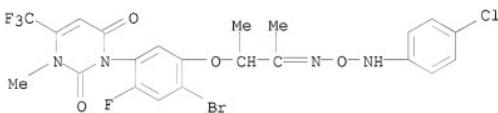
RN 216988-70-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-5-[2-(ethoxyimino)-1-methylpropoxypyphenyl]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



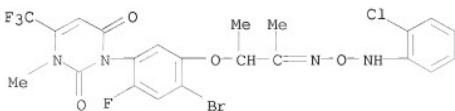
RN 216988-72-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-5-[2-[(4-chlorophenyl)amino]oxy]imino]-1-methylpropoxypyphenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 216988-73-7 CAPLUS

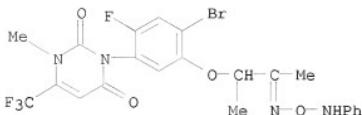
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-5-[2-[(2-chlorophenyl)amino]oxy]imino]-1-methylpropoxypyphenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 216988-74-8 CAPLUS

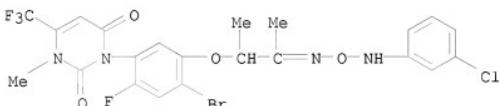
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-[1-methyl-2-[(phenylamino)oxy]imino]propoxypyphenyl]-1-methyl-6-(trifluoromethyl)-

(CA INDEX NAME)



RN 216988-75-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-5-{2-[(3-chlorophenyl)amino]oxy}imino]-1-methylpropoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 59 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1998:668118 CAPLUS

DOCUMENT NUMBER: 129:290144

TITLE: Preparation of N-(ethynylphenyl)pyrimidinediones and analogs as herbicides

INVENTOR(S): Yanagi, Akihiko; Narabu, Shin-ichi; Goto, Toshio; Ito, Seishi; Minegishi, Natsuko; Yamaoka, Tatsuya; Ueno, Chieko

PATENT ASSIGNEE(S): Nihon Bayer Agrochem K. K., Japan
SOURCE: Eur. Pat. Appl., 86 pp.

DOCUMENT TYPE: Patent

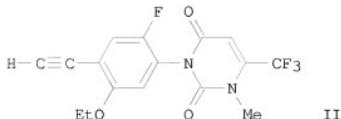
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 869123	A2	19981007	EP 1998-104853	19980318
EP 869123	A3	20020102		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
JP 10330359	A	19981215	JP 1997-225625	19970808
US 5935907	A	19990810	US 1998-47260	19980324
US 6174839	B1	20010116	US 1999-255959	19990223
PRIORITY APPLN. INFO.:			JP 1997-94386	A 19970331
			JP 1997-225625	A 19970808
			US 1998-47260	A3 19980324

OTHER SOURCE(S): MARPAT 129:290144
GI



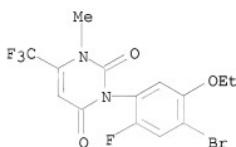
AB RC.tplbond.CZR1 [I; R = H, halo, (hydroxy)alkyl, trialkylsilyl, etc.; R1 = N-attached heterocyclyl(ideneimino); Z = (un)substituted 1,4-phenylene] were prepared. Thus, Et 4-bromo-5-ethoxy-2-fluorophenylcarbamate (preparation given) was cyclocondensed with CF₃C(NH₂):CHCO₂Et and the N-methylated product condensed with HC.tplbond.CSiMe₃ to give, after deprotection, title compound II. Data for biol. activity of I were given.

IT 114169-85-6P 214329-68-7P 214329-76-7P
214329-77-8P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of N-(ethynylphenyl)pyrimidinediones and analogs as herbicides)

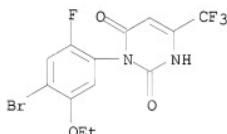
RN 114169-85-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-bromo-5-ethoxy-2-fluorophenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



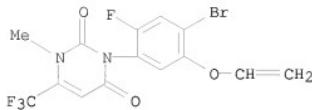
RN 214329-68-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-bromo-5-ethoxy-2-fluorophenyl)-6-(trifluoromethyl)- (CA INDEX NAME)



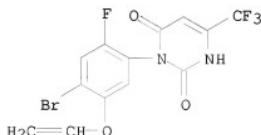
RN 214329-76-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-5-(ethenyoxy)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 214329-77-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-5-(ethenylxyloxy)-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



L3 ANSWER 60 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 1998:635622 CAPLUS

DOCUMENT NUMBER: 129:256468

TITLE: Preparation of diaryl ethers as herbicides and desiccants

INVENTOR(S): Pulman, David A.; Ying, Bai-ping; Wu, Shao-yong; Gupta, Sandeep; Shimoharada, Hiroshi; Tsukamoto, Masamitsu

PATENT ASSIGNEE(S): Ishihara Sangyo Kaisha Americas, Inc., USA
SOURCE: PCT Int. Appl., 130 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent
LANGUAGE: English

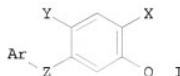
FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9841093	A1	19980924	WO 1998-US209	19980114
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
CA 2282643	A1	19980924	CA 1998-2282643	19980114
AU 9858161	A	19981012	AU 1998-58161	19980114
AU 737360	B2	20010816		
EP 973395	A1	20000126	EP 1998-901704	19980114
EP 973395	B1	20031203		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, FI, RO				
BR 9808334	A	20000516	BR 1998-8334	19980114
JP 2001519783	T	20011023	JP 1998-540479	19980114
RU 2180336	C2	20020310	RU 1999-122033	19980114

AT 255331	T 20031215	AT 1998-901704	19980114
IN 188380	A1 20020914	IN 1998-DE643	19980312
ZA 9802158	A 19980914	ZA 1998-2158	19980313
US 6333296	B1 20011225	US 1999-380830	19990910
US 2002161224	A1 20021031	US 2001-779674	20010209
US 6479435	B2 20021112		
PRIORITY APPLN. INFO.:			
		US 1997-818061	A2 19970314
		US 1997-917682	A2 19970826
		US 1997-947900	A2 19971009
		WO 1998-US209	W 19980114
		US 1999-380830	A3 19990910

OTHER SOURCE(S): MARPAT 129:256468
GI



AB The diaryl ethers I [X, Y = H, halo, cyano, nitro or C1-6 haloalkyl; Z = O or S; Q = (un)substituted N-containing heterocycl; Ar = (un)substituted aryl or heterocycl] are prepared as herbicides and desiccants.

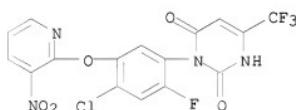
IT 213676-09-6P 213676-11-0P 213676-12-1P
 213676-13-2P 213676-14-3P 213676-16-5P
 213676-18-7P 213676-20-1P 213676-22-3P
 213676-23-4P 213676-24-5P 213676-25-6P
 213676-26-7P 213676-28-9P 213676-29-0P
 213676-31-4P 213676-32-5P 213676-33-6P
 213676-35-8P 213676-36-9P 213676-37-0P
 213676-39-2P 213676-40-5P 213676-42-7P
 213676-44-9P 213676-45-0P 213676-46-1P
 213676-47-2P 213676-48-3P 213676-49-4P
 213676-50-7P 213676-51-8P 213676-52-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(intermediate in preparation of diaryl ethers herbicides and desiccants)

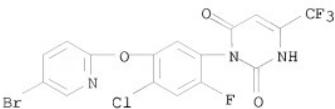
RN 213676-09-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(3-nitro-2-pyridinyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



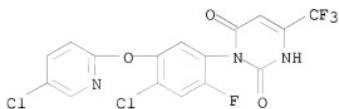
RN 213676-11-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-[(5-bromo-2-pyridinyl)oxy]-4-chloro-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



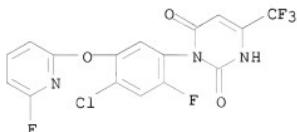
RN 213676-12-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-((5-chloro-2-pyridinyl)oxy)-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



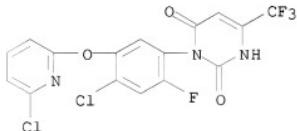
RN 213676-13-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-((6-chloro-2-pyridinyl)oxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



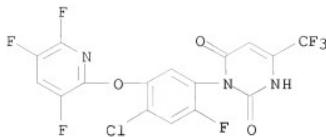
RN 213676-14-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-((6-chloro-2-pyridinyl)oxy)-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



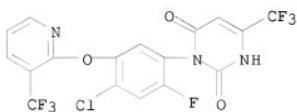
RN 213676-16-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-((3,5,6-trifluoro-2-pyridinyl)oxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



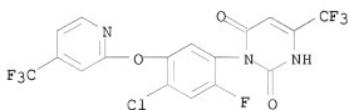
RN 213676-18-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(3-(trifluoromethyl)pyridinyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



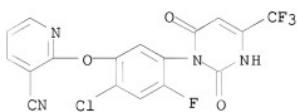
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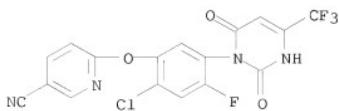
RN 213676-22-3 CAPLUS

CN 3-Pyridinecarbonitrile, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)

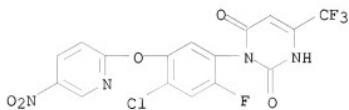


RN 213676-23-4 CAPLUS

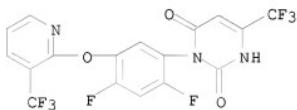
CN 3-Pyridinecarbonitrile, 6-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



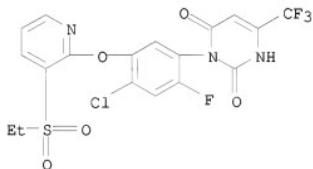
RN 213676-24-5 CAPLUS
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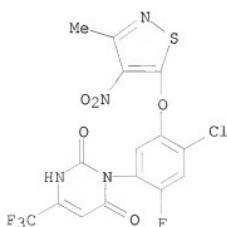
RN 213676-25-6 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-difluoro-5-[(3-(trifluoromethyl)-2-pyridinyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



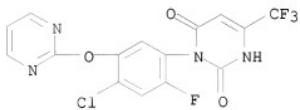
RN 213676-26-7 CAPLUS
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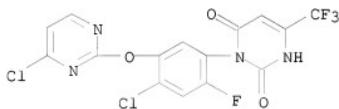
RN 213676-28-9 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(3-methyl-4-nitro-5-isothiazolyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



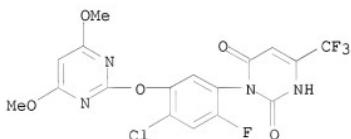
RN 213676-29-0 CAPLUS
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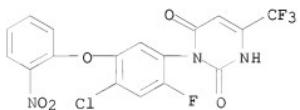
RN 213676-31-4 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4-chloro-2-pyrimidinyl)oxy]-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



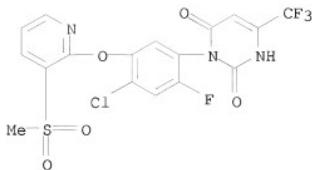
RN 213676-32-5 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4,6-dimethoxy-2-pyrimidinyl)oxy]-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



RN 213676-33-6 CAPLUS
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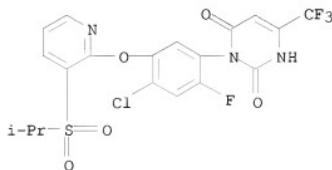


RN 213676-35-8 CAPLUS
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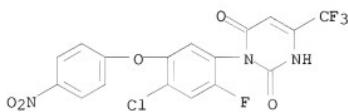
RN 213676-36-9 CAPLUS

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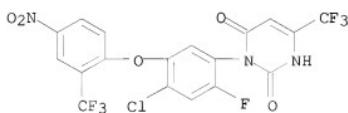
RN 213676-37-0 CAPLUS

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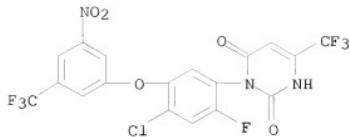
RN 213676-39-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[4-nitro-2-(trifluoromethyl)phenoxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)

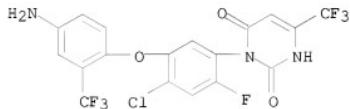


RN 213676-40-5 CAPLUS

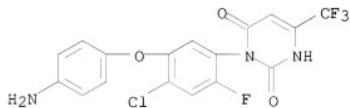
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[3-nitro-5-(trifluoromethyl)phenoxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



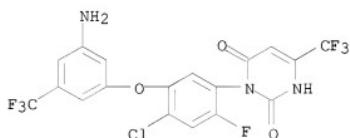
RN 213676-42-7 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-[4-amino-2-(trifluoromethyl)phenoxy]-4-chloro-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



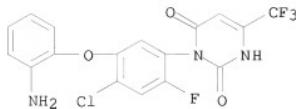
RN 213676-44-9 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-(4-aminophenoxy)-4-chloro-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



RN 213676-45-0 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-[3-amino-5-(trifluoromethyl)phenoxy]-4-chloro-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)

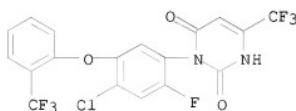


RN 213676-46-1 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-(2-aminophenoxy)-4-chloro-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



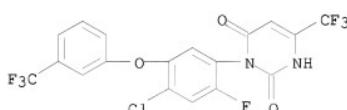
RN 213676-47-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(trifluoromethyl)phenoxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



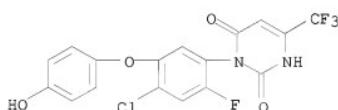
RN 213676-48-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(trifluoromethyl)phenoxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



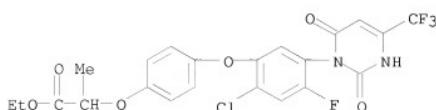
RN 213676-49-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(4-hydroxyphenoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)

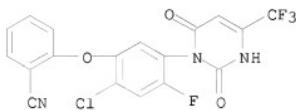


RN 213676-50-7 CAPLUS

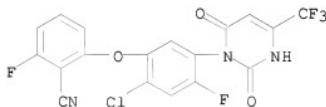
CN Propanoic acid, 2-[4-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxyl-, ethyl ester (CA INDEX NAME)



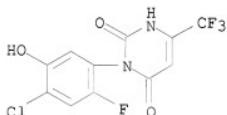
RN 213676-51-8 CAPLUS
CN Benzonitrile, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



RN 213676-52-9 CAPLUS
CN Benzonitrile, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-fluoro- (CA INDEX NAME)



IT 114136-62-8
RL: RCT (Reactant); RACT (Reactant or reagent)
(reactant in preparation of diaryl ethers as herbicides and desiccants)
RN 114136-62-8 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-6-(trifluoromethyl)- (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 61 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 1998:608618 CAPLUS
DOCUMENT NUMBER: 129:230735
TITLE: Preparation of cycloimido-substituted benzofused heterocyclic herbicides
INVENTOR(S): Crawford, Scott D.; Maravetz, Lester L.; Theodoridis, George; Dugan, Benjamin
PATENT ASSIGNEE(S): FMC Corp., USA
SOURCE: PCT Int. Appl., 69 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.

KIND DATE

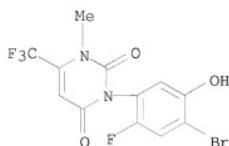
APPLICATION NO.

DATE

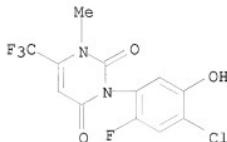
WO 9838188	A1	19980903	WO 1998-US3647	19980225
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ZW				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
US 6077812	A	20000620	US 1998-28636	19980224
ZA 9801580	A	19980827	ZA 1998-1580	19980225
CA 2281688	A1	19980903	CA 1998-2281688	19980225
AU 9866670	A	19980918	AU 1998-66670	19980225
AU 734666	B2	20010621		
EP 968207	A1	20000105	EP 1998-908708	19980225
R: BE, CH, DE, ES, FR, GB, GR, IT, LI, NL				
BR 9807607	A	20000222	BR 1998-7607	19980225
TR 9902069	T2	20000522	TR 1999-2069	19980225
HU 2000001445	A2	20000828	HU 2000-1445	19980225
HU 2000001445	A3	20011228		
JP 2002521001	T	20020709	JP 1998-537797	19980225
IN 1998BDE00513	A	20070223	IN 1998-DE513	19980226
US 6352958	B1	20020305	US 2000-547609	20000412
CN 1413990	A	20030430	CN 2001-139440	20011123
PRIORITY APPLN. INFO.:			US 1997-39172P	P 19970226
			US 1998-28636	A 19980224
			WO 1998-US3647	W 19980225
OTHER SOURCE(S):	MARPAT	129:230735		
GI				

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

- AB The title compds. [I; A, B = (un)substituted CH, N, (un)substituted NH, O; R = H, OH, SH, etc.; X = H, F, Cl, etc.; n = 0-3; J = II-VII (wherein R3 = H, alkyl, haloalkyl, etc.)], useful in controlling weeds, were prepared Thus, heating at reflux 1-methyl-6-trifluoromethyl-3-(6-amino-4-bromo-2-fluoro-5-hydroxyphenyl)-2,4(1H,3H)-pyrimidinedione with carbonylimidazole in THF followed by reaction of the resulting 1-methyl-3-trifluoromethyl-3-(7-bromo-5-fluorobenzoxazol-2-on-4-yl)-2,4(1H,3H)-pyrimidinedione with MeI in the presence of Ag2O in CH2Cl2 afforded VIII which showed 100% control against, e.g., velvetleaf and blackgrass.
- IT 114136-61-7
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of cycloimido-substituted benzofused heterocyclic herbicides)
- RN 114136-61-7 CAPLUS
- CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-bromo-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



IT 114136-60-6P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of cycloimido-substituted benzofused heterocyclic herbicides)
 RN 114136-60-6 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> d 13 1-41 ibib abs hitstr

L3 ANSWER 1 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESION NUMBER: 2007:817459 CAPLUS
 DOCUMENT NUMBER: 147:211906
 TITLE: A process for producing uracil compounds
 INVENTOR(S): Beaudenaires, Renaud; Cassayre, Jerome; Gott, Brian
 David; Jackson, David Anthony; Luethy, Christoph;
 Quaranta, Laura; Vettiger, Thomas; Wenger, Jean;
 Zeller, Martin
 PATENT ASSIGNEE(S): Syngenta Limited, UK; Syngenta Participations AG
 SOURCE: PCT Int. Appl., 43pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2007083090	A2	20070726	WO 2007-GB95	20070115
WO 2007083090	A3	20070907		
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IS, JE, KE, KG, KM, KN, KP, KR, KZ, LA, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RS, RU, SC, SD, SE, SG, SK, SL, SM, SV, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW			
RW:	AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AP, EA, EP, OA			
PRIORITY APPLN. INFO.:			GB 2006-914	A 20060117
GI				

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

AB The invention relates to processes and intermediates for preparation of uracil derivs. I, which are useful as herbicides, comprising reacting a compound of formula (II) with a compound of formula (III). In compds. I to III, R1 is C1-3 (halo)alkyl; R2 is C1-3 alkyl; R3 is an alkanoic acid alkyl ester; R4 is C1-6 straight or branched-chain alkyl; X1 and X2 are halo. For instance, the invention compound IV was prepared from 2,3-dihydroxypyridine in about 8 steps.

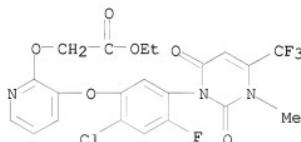
IT 353292-31-6P

RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)

(product; preparation of uracil derivs. useful as herbicides)

RN 353292-31-6 CAPLUS

CN Acetic acid, 2-[{3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester (CA INDEX NAME)



L3 ANSWER 2 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 20061558318 CAPLUS

DOCUMENT NUMBER: 145122583

TITLE: Synergistic herbicidal compositions comprising a a pyrimidinedione derivative

INVENTOR(S): North, Daniel Joseph

PATENT ASSIGNEE(S): Syngenta Participations A.-G., Switz.

SOURCE: PCT Int. Appl., 24 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

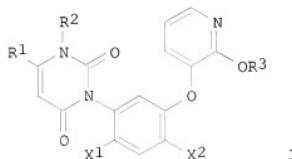
LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2006061562	A1	20060615	WO 2005-GB4468	20051121
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG, BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
AU 2005313141	A1	20060615	AU 2005-313141	20051121

CA 2586256	A1	20060615	CA 2005-2586256	20051121
EP 1824337	A1	20070829	EP 2005-804388	20051121
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR				
CN 101072502	A	20071114	CN 2005-80041856	20051121
IN 2007DN03626	A	20070824	IN 2007-DN3626	20070515
PRIORITY APPLN. INFO.:			GB 2004-26717	A 20041206
			GB 2005-3346	A 20050217
			WO 2005-GB4468	W 20051121
OTHER SOURCE(S):	MARPAT 145:22583			
GI				



AB Synergistic herbicidal compns. comprising a a pyrimidinedione derivative I [R1 = C1-3 (halo)alkyl; R2 = C1-3 alkyl; X1, X2 = halo; R3 = C1-6 alkanoic acid C1-6 alkyl ester residue] and: a second herbicide selected from paraquat, glyphosate, a sulfonylurea, a chloroacetamide, a di-Ph ether a triazine, a N-phenylphthalimide, glufosinate, a phenylpyridazine, a triketone, an isoxazole, a cyclohexanedione oxime, a triazolinone, an urea derivative a dinitroaniline or a pinoxaden.

IT
889462-37-7 889462-38-8 889462-39-9
889462-40-2 889462-41-3 889462-42-4
889462-43-5 889462-44-6

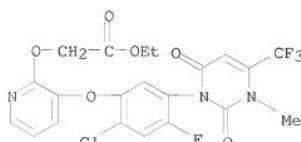
RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses)
(synergistic herbicidal composition)

RN 889462-37-7 CAPLUS

CN Acetic acid, {[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy}-, ethyl ester, mixt. with 1,1'-dimethyl-4,4'-bipyridinium (9CI) (CA INDEX NAME)

CM 1

CRN 353292-31-6
CMF C21 H16 Cl F4 N3 O6



CM 2

CRN 4685-14-7
CMF C12 H14 N2

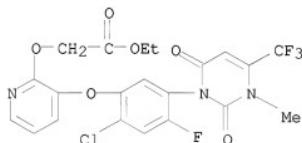


RN 889462-38-8 CAPLUS

CN Glycine, N-(phosphonomethyl)-, mixt. with ethyl [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxyacetate (9CI) (CA INDEX NAME)

CM 1

CRN 353292-31-6
CMF C21 H16 Cl F4 N3 O6



CM 2

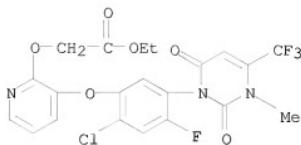
CRN 1071-83-6
CMF C3 H8 N O5 P

HO₂C—CH₂—NH—CH₂—PO₃H₂

RN 889462-39-9 CAPLUS
CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester, mixt. with 2-(2-chloroethoxy)-N-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonylbenzenesulfonamide (9CI) (CA INDEX NAME)

CM 1

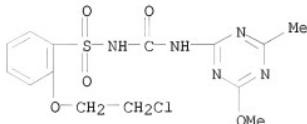
CRN 353292-31-6
CMF C21 H16 Cl F4 N3 O6



CM 2

CRN 82097-50-5

CMF C14 H16 Cl N5 O5 S



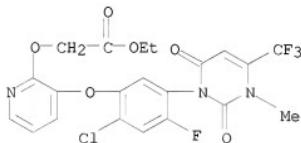
RN 889462-40-2 CAPLUS

CN Acetic acid, {[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1-(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy}-, ethyl ester, mixt. with 2-[[{[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl}amino]sulfonyl]-N,N-dimethyl-3-pyridinecarboxamide (9CI) (CA INDEX NAME)

CM 1

CRN 353292-31-6

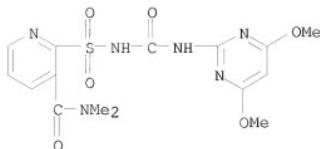
CMF C21 H16 Cl F4 N3 O6



CM 2

CRN 111991-09-4

CMF C15 H18 N6 O6 S



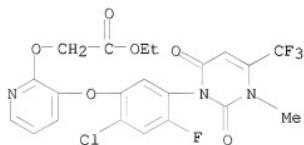
RN 889462-41-3 CAPLUS

CN Acetic acid, [{3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}-2-pyridinyl]oxy]-, ethyl ester, mixt. with 2-[[{[4,6-bis(difluoromethoxy)-2-pyrimidinyl]amino}carbonyl]amino]sulfonyl]benzoic acid (9CI) (CA INDEX NAME)

CM 1

CRN 353292-31-6

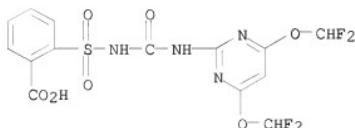
CMF C21 H16 Cl F4 N3 O6



CM 2

CRN 113036-87-6

CMF C14 H10 F4 N4 O7 S



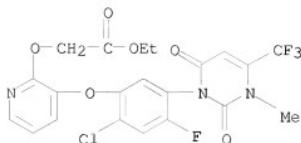
RN 889462-42-4 CAPLUS

CN Acetic acid, [{3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}-2-pyridinyl]oxy]-, ethyl ester, mixt. with N-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl-2-(3,3,3-trifluoropropyl)benzenesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 353292-31-6

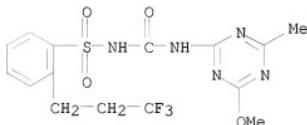
CMF C21 H16 Cl F4 N3 O6



CM 2

CRN 94125-34-5

CMF C15 H16 F3 N5 O4 S



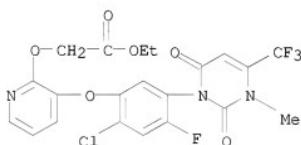
RN 889462-43-5 CAPLUS

CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1-(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester, mixt. with 2-chloro-N-(2-ethyl-6-methylphenyl)-N-[(1S)-2-methoxy-1-methylethyl]acetamide (9CI) (CA INDEX NAME)

CM 1

CRN 353292-31-6

CMF C21 H16 Cl F4 N3 O6

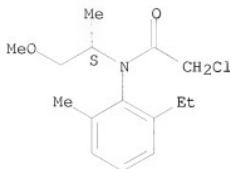


CM 2

CRN 87392-12-9

CMF C15 H22 Cl N O2

Absolute stereochemistry. Rotation (-).



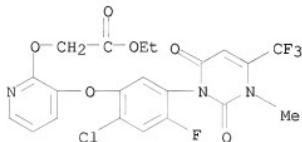
RN 889462-44-6 CAPLUS

CN Acetic acid, {[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy}-, ethyl ester, mixt. with 2-[2-chloro-4-(methylsulfonyl)benzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

CM 1

CRN 353292-31-6

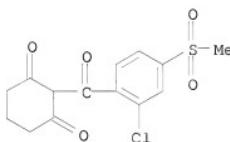
CMF C21 H16 Cl F4 N3 O6



CM 2

CRN 99105-77-8

CMF C14 H13 Cl O5 S



REFERENCE COUNT:

5

THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 3 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2004:872785 CAPLUS

DOCUMENT NUMBER: 141:366241

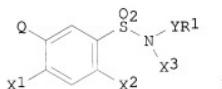
TITLE: Preparation of dioxopyrimidinylbenzenesulfonamides as herbicides, desiccants, and defoliants.

INVENTOR(S): Hamprecht, Gerhard; Puhl, Michael; Reinhard, Robert; Seitz, Werner; Zagar, Cyrill; Witschel, Matthias;

PATENT ASSIGNEE(S): Landes, Andreas
 BASF Aktiengesellschaft, Germany
 SOURCE: PCT Int. Appl., 144 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004089914	A1	20041021	WO 2004-EP3624	20040406
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW, RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
EP 1613607	A1	20060111	EP 2004-725933	20040406
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
BR 2004009221	A	20060328	BR 2004-9221	20040406
JP 2006522760	T	20061005	JP 2006-505008	20040406
US 2006211577	A1	20060921	US 2005-551988	20051005
PRIORITY APPLN. INFO.:			DE 2003-10316311	A 20030408
			WO 2004-EP3624	W 20040406

OTHER SOURCE(S): MARPAT 141:366241
 GI



AB Title compds. [I; X1 = H, halo; X2 = H, cyano, CSNH2, halo, alkyl, haloalkyl; X3 = H, cyano, alkyl, alkoxyalkyl, cycloalkyl, alkenyl, alkynyl, (substituted) phenylalkyl; Y = C(:A)B, SO2, SO2NR2; A = O, S; B = O, S, NR2, bond; R1 = H, halo, OH, (substituted) alkyl, cycloalkyl, cycloalkylalkyl, alkenyl, alkynyl, alkoxy, cycloalkoxy, alkenyloxy, alkynyloxy, aryl, aryloxy, aralkyl, heterocyclyl, heteroaryl, heteroarylalkyl; R2 = H, (halo-substituted) alkyl, alkenyl, alkynyl, cycloalkyl; R1R2 = (substituted) heterocyclyl; Q = specified azolyl, azinyl residues], were prepared as herbicides, desiccants, and defoliants (no data). Thus, 2-chloro-4-fluoro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-trifluoromethyl-(2H)-pyrimidin-1-yl]benzenesulfonyl isocyanate (preparation given) and N-methylisopropylamine were stirred overnight in 1,2-dichloroethane to give 42% 3-[4-chloro-2-fluoro-5-[[isopropyl(methyl)amino]carbonylamino]sulfonyl]phenyl]-1-methyl-2,4-dioxo-6-trifluoromethyl-1,2,3,4-tetrahydropyrimidine.

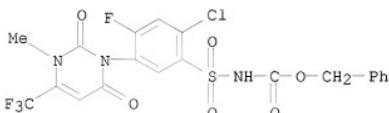
IT 779341-34-3P 779341-35-4P 779341-36-5P
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 779341-64-9P 779341-65-0P 779341-66-1P
 779341-67-2P 779341-68-3P 779341-69-4P
 779341-70-7P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of dioxopyrimidinylbenzenesulfonamides as herbicides, desiccants, and defoliants)

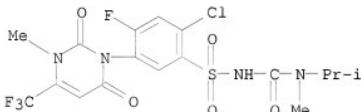
RN 779341-34-3 CAPLUS

CN Carbamic acid, [(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl)sulfonyl]-, phenylmethyl ester (9CI) (CA INDEX NAME)



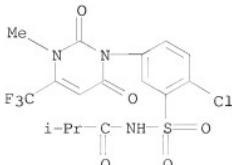
RN 779341-35-4 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-[(methyl(1-methylethyl)amino)carbonyl]- (CA INDEX NAME)

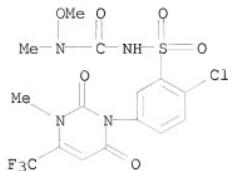


RN 779341-36-5 CAPLUS

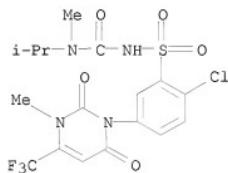
CN Propanamide, N-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl)sulfonyl]-2-methyl- (CA INDEX NAME)



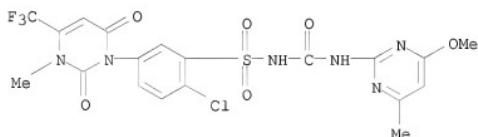
RN 779341-37-6 CAPLUS
CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-[(methoxymethylamino)carbonyl]-(CA INDEX NAME)



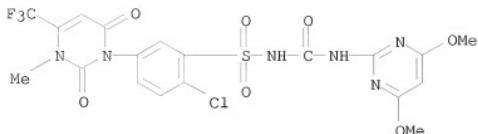
RN 779341-38-7 CAPLUS
CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-[(methyl(1-methylethyl)amino)carbonyl]-(CA INDEX NAME)



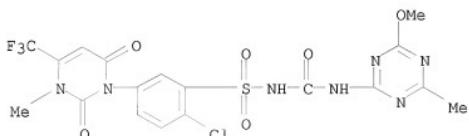
RN 779341-39-8 CAPLUS
CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-[(4-methoxy-6-methyl-2-pyrimidinyl)amino]carbonyl]-(CA INDEX NAME)



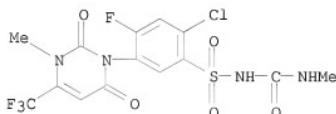
RN 779341-40-1 CAPLUS
CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-[(4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]-(CA INDEX NAME)



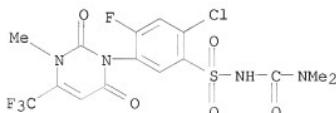
RN 779341-41-2 CAPLUS
 CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]-(CA INDEX NAME)



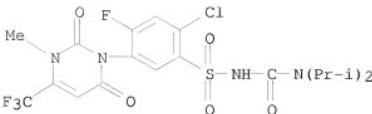
RN 779341-42-3 CAPLUS
 CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-[(methylamino)carbonyl]-(CA INDEX NAME)



RN 779341-43-4 CAPLUS
 CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-[(dimethylamino)carbonyl]-4-fluoro-(CA INDEX NAME)

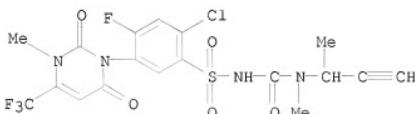


RN 779341-44-5 CAPLUS
 CN Benzenesulfonamide, N-[(bis(1-methylethyl)amino)carbonyl]-2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-(CA INDEX NAME)



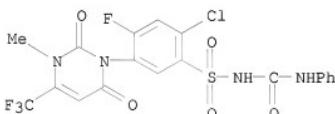
RN 779341-45-6 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-[[methyl(1-methyl-2-propynyl)amino]carbonyl]- (9CI) (CA INDEX NAME)



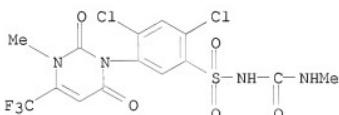
RN 779341-46-7 CAPLUS

CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-N-[(phenylamino)carbonyl]- (CA INDEX NAME)



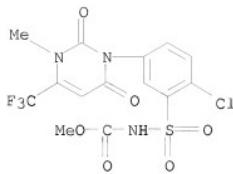
RN 779341-47-8 CAPLUS

CN Benzenesulfonamide, 2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-N-[(methylamino)carbonyl]- (CA INDEX NAME)

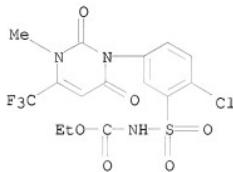


RN 779341-48-9 CAPLUS

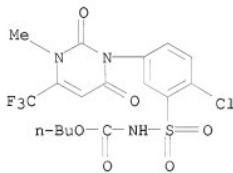
CN Carbanic acid, [(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl)sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)



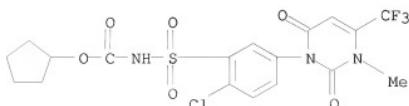
RN 779341-49-0 CAPLUS
 CN Carbamic acid, [(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl)sulfonyl]-, ethyl ester (9CI)
 (CA INDEX NAME)



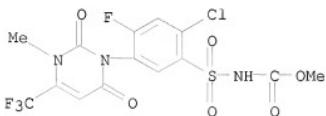
RN 779341-50-3 CAPLUS
 CN Carbamic acid, [(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl)sulfonyl]-, butyl ester (9CI)
 (CA INDEX NAME)



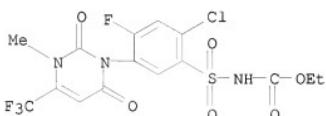
RN 779341-51-4 CAPLUS
 CN Carbamic acid, [(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl)sulfonyl]-, cyclopentyl ester (9CI) (CA INDEX NAME)



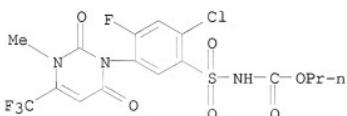
RN 779341-52-5 CAPLUS
CN Carbamic acid, [(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1-(2H-pyrimidinyl)-4-fluorophenyl]sulfonyl)-, methyl ester (9CI) (CA INDEX NAME)



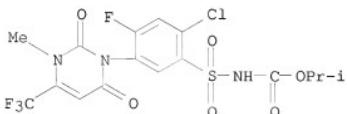
RN 779341-53-6 CAPLUS
CN Carbanic acid, [(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl)sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)



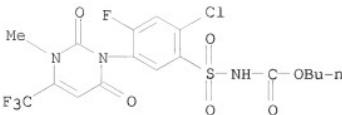
RN 779341-54-7 CAPLUS
CN Carbanic acid, [(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl)sulfonyl]-, propyl ester (9CI) (CA INDEX NAME)



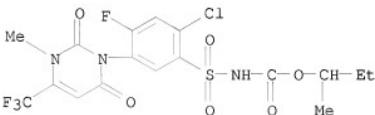
RN 779341-55-8 CAPLUS
CN Carbanic acid, [(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl)sulfonyl]-, 1-methylethyl ester (9CI) (CA INDEX NAME)



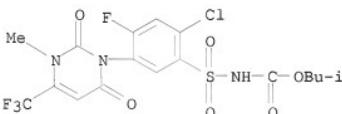
RN 779341-56-9 CAPLUS
CN Carbanic acid, [(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl)sulfonyl]-, butyl ester (9CI) (CA INDEX NAME)



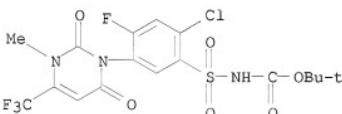
RN 779341-57-0 CAPLUS
 CN Carbamic acid, [(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl)sulfonyl]-, 1-methylpropyl ester (9CI) (CA INDEX NAME)



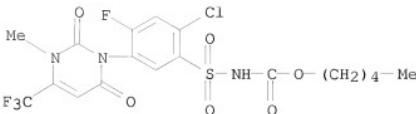
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 CN Carbamic acid, [(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl)sulfonyl]-, 2-methylpropyl ester (9CI) (CA INDEX NAME)



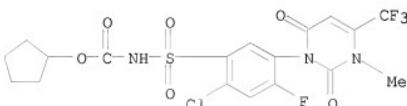
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 CN Carbamic acid, [(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl)sulfonyl]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



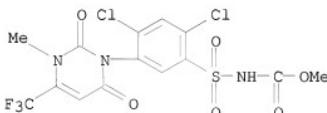
RN 779341-60-5 CAPLUS
 CN Carbamic acid, [(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl)sulfonyl]-, pentyl ester (9CI) (CA INDEX NAME)



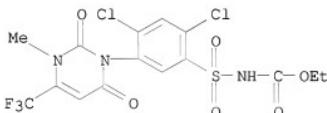
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 CN Carbamic acid, [(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl)sulfonyl]-, cyclopentyl ester (9CI) (CA INDEX NAME)



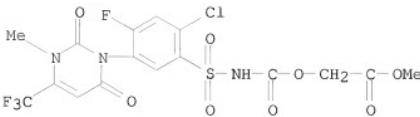
RN 779341-62-7 CAPLUS
 CN Carbamic acid, [(2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl)sulfonyl]-, methyl ester (9CI) (CA INDEX NAME)



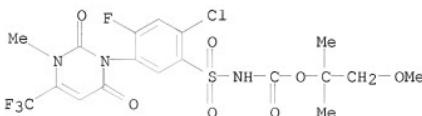
RN 779341-63-8 CAPLUS
 CN Carbamic acid, [(2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl)sulfonyl]-, ethyl ester (9CI) (CA INDEX NAME)



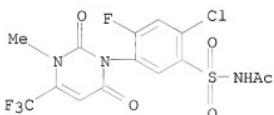
RN 779341-64-9 CAPLUS
 CN Acetic acid, [[[[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl)sulfonyl]amino]carbonyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



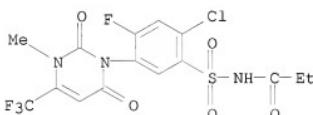
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 CN Carbamic acid, [(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl)sulfonyl]-2-methoxy-1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



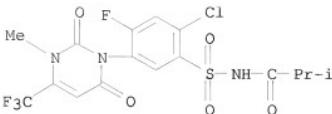
RN 779341-66-1 CAPLUS
 CN Acetamide, N-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl)sulfonyl]- (CA INDEX NAME)



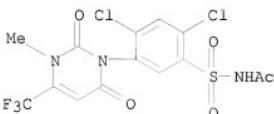
RN 779341-67-2 CAPLUS
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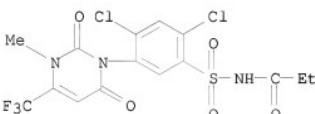
RN 779341-68-3 CAPLUS
 CN Propanamide, N-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl)sulfonyl]-2-methyl- (CA INDEX NAME)



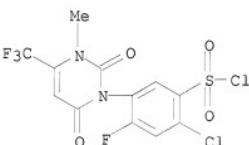
RN 779341-69-4 CAPLUS
 CN Acetamide, N-[(2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl)sulfonyl]- (CA INDEX NAME)



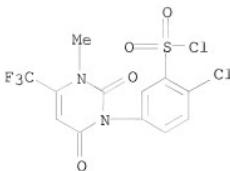
RN 779341-70-7 CAPLUS
 CN Propanamide, N-[(2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl)sulfonyl]- (CA INDEX NAME)



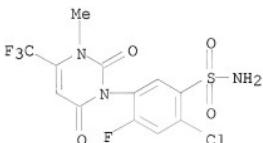
IT 146423-50-9 146436-82-0
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of dioxopyrimidinylbenzenesulfonamides as herbicides,
 desiccants, and defoliants)
 RN 146423-50-9 CAPLUS
 CN Benzenesulfonyl chloride, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro- (CA INDEX NAME)



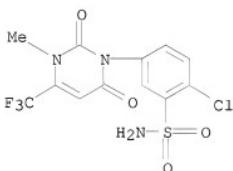
RN 146436-82-0 CAPLUS
 CN Benzenesulfonyl chloride, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]- (CA INDEX NAME)



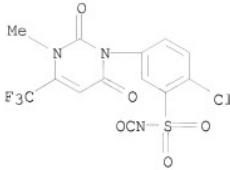
IT 146422-89-1P 779341-32-1P 779341-33-2P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of dioxopyrimidinylbenzenesulfonamides as herbicides,
 desiccants, and defoliants)
 RN 146422-89-1 CAPLUS
 CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro- (CA INDEX NAME)



RN 779341-32-1 CAPLUS
 CN Benzenesulfonamide, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]- (CA INDEX NAME)



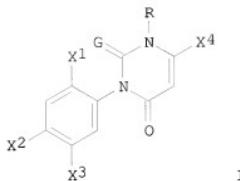
RN 779341-33-2 CAPLUS
 CN Benzenesulfonyl isocyanate, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]- (CA INDEX NAME)



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 4 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:550942 CAPLUS
 DOCUMENT NUMBER: 141:106491
 TITLE: Preparation of new uracils having a herbicidal activity
 INVENTOR(S): Meazza, Giovanni; Paravidino, Piero; Bettarini, Franco; Fornara, Luca
 PATENT ASSIGNEE(S): Isagro Ricerca S.r.l., Italy
 SOURCE: PCT Int. Appl., 122 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004056785	A2	20040708	WO 2003-EP14469	20031215
WO 2004056785	A3	20040923		
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2506826	A1	20040708	CA 2003-2506826	20031215
AU 2003294894	A1	20040714	AU 2003-294894	20031215
EP 1585737	A2	20051019	EP 2003-785868	20031215
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BR 2003017086	A	20051025	BR 2003-17086	20031215
CN 1729177	A	20060201	CN 2003-80106868	20031215
JP 2006516126	T	20060622	JP 2004-561343	20031215
US 2006025591	A1	20060202	US 2005-536485	20050524
IN 2005DN02216	A	20061229	IN 2005-DN2216	20050525
PRIORITY APPLN. INFO.:			IT 2002-MI2758	A 20021223
			WO 2003-EP14469	W 20031215
OTHER SOURCE(S):	CASREACT 141:106491; MARPAT 141:106491			
GI				



AB The title compds. I [X1 = H, halo; X2 = halo; X4 = haloalkyl; R = H, alkyl, haloalkyl; G = O, S; X3 = Q(CR1R2)nZ, Q1Z, Q2, Y(OC)CR6:CR5CR3R4Z; Z = O, S; R1-R4 = H, alkyl, haloalkyl; R5 = OR'; R6 = H, alkyl; R7 = alkyl, haloalkyl; Y = OR8, SR9, NR10R11; R8, R9 = H, alkyl, cycloalkyl, etc.; R10, R11 = H, alkyl, haloalkyl, etc.; n = 1-3; Q = pyrrolyl, imidazolyl, pyrazolyl, etc.; Q1 = thiadiazolyl, tetrazolyl, oxadiazolyl, etc.; Q2 = tetrazolyl, thiazolyl, isothiazolyl, etc.], useful as herbicides, especially for the pre-emergence and/or post-emergence control of monocotyledonous or dicotyledonous weeds, were prepared. Thus, reacting Et 3-amino-4,4,4-trifluoro-2-butenoate with Me (2E)-4-(2-chloro-4-fluoro-5-isocyanophenoxy)-3-methoxybut-2-enate (preparation given) in the presence of NaH in DMF afforded Me (2E)-4-{2-chloro-4-fluoro-5-[1,2,3,6-tetrahydro-2,6-dioxo-4-(trifluoromethyl)pyrimidin-1-yl]phenoxy}-3-methoxybut-2-enate. The herbicidal activity of the compds. I was evaluated (data given for representative compds. I),. Herbicidal compns. comprising the compound I along with other herbicides (list of herbicides given), fungicides, insecticides, acaricides, fertilizers, etc., are claimed.

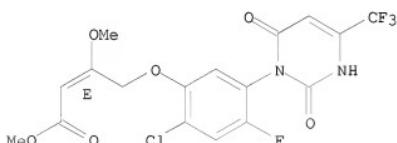
IT 718625-97-9P 718626-08-5P 718626-15-4P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of new uracils having a herbicidal activity)

RN 718625-97-9 CAPLUS

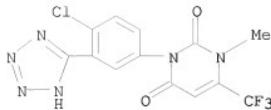
CN 2-Butenoic acid, 4-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-methoxy-, methyl ester, (2E)- (CA INDEX NAME)

Double bond geometry as shown.

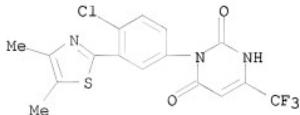


RN 718626-08-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(1H-tetrazol-5-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 718626-15-4 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(4,5-dimethyl-2-thiazolyl)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



IT 718625-98-0P 718625-99-1P 718626-00-7P
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 718626-04-1P 718626-05-2P 718626-06-3P
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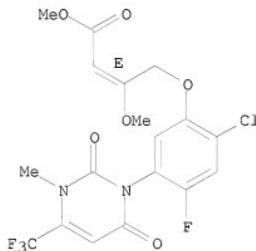
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of new uracils having a herbicidal activity)

RN 718625-98-0 CAPLUS

CN 2-Butenoic acid, 4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-methoxy-, methyl ester, (2E)- (CA INDEX NAME)

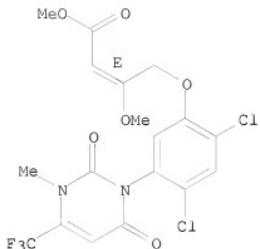
Double bond geometry as shown.



RN 718625-99-1 CAPLUS

CN 2-Butenoic acid, 4-[2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-3-methoxy-, methyl ester, (2E)- (CA INDEX NAME)

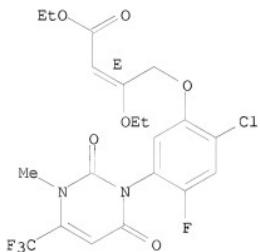
Double bond geometry as shown.



RN 718626-00-7 CAPLUS

CN 2-Butenoic acid, 4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-ethoxy-, ethyl ester, (2E)- (CA INDEX NAME)

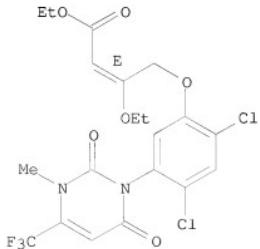
Double bond geometry as shown.



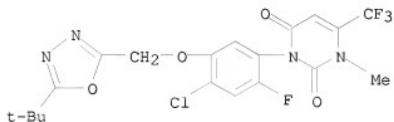
RN 718626-01-8 CAPLUS

CN 2-Butenoic acid, 4-[2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-3-ethoxy-, ethyl ester, (2E)- (CA INDEX NAME)

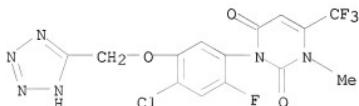
Double bond geometry as shown.



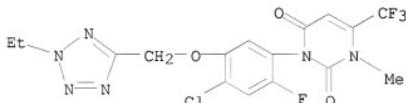
RN 718626-02-9 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(5-(1,1-dimethylethyl)-1,3,4-oxadiazol-2-yl)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



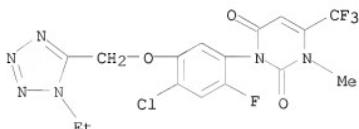
RN 718626-03-0 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1H-tetrazol-5-ylmethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



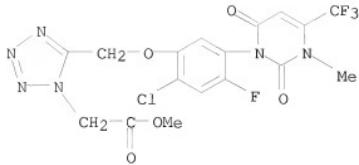
RN 718626-04-1 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(2-ethyl-2H-tetrazol-5-yl)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 718626-05-2 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(1-ethyl-1H-tetrazol-5-yl)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

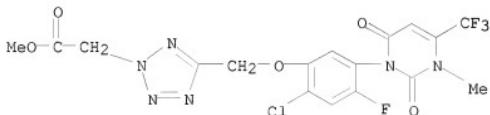


RN 718626-06-3 CAPLUS
CN 1H-Tetrazole-1-acetic acid, 5-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)methyl]-, methyl ester (CA INDEX NAME)



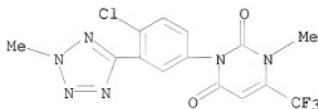
RN 718626-07-4 CAPLUS

CN 2H-Tetrazole-2-acetic acid, 5-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)methyl]-, methyl ester (CA INDEX NAME)



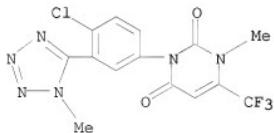
RN 718626-09-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2-methyl-2H-tetrazol-5-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



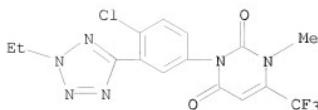
RN 718626-10-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(1-methyl-1H-tetrazol-5-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



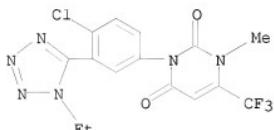
RN 718626-11-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2-ethyl-2H-tetrazol-5-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



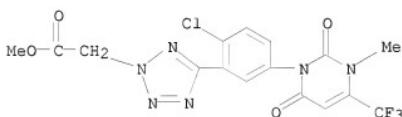
RN 718626-12-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(1-ethyl-1H-tetrazol-5-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



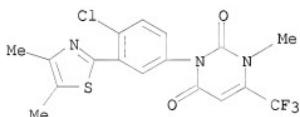
RN 718626-13-2 CAPLUS

CN 2H-Tetrazole-2-acetic acid, 5-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-, methyl ester (CA INDEX NAME)



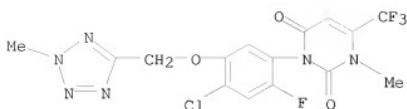
RN 718626-16-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(4,5-dimethyl-2-thiazolyl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



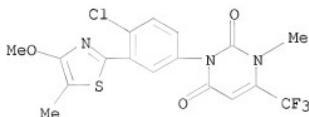
RN 718626-17-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-methyl-2H-tetrazol-5-yl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



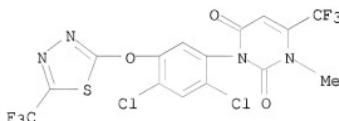
RN 718626-18-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(4-methoxy-5-methyl-2-thiazolyloxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



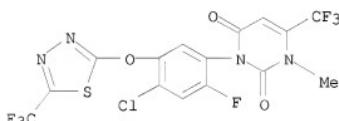
RN 718626-19-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-[(5-(trifluoromethyl)-1,3,4-thiadiazol-2-yl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 718626-20-1 CAPLUS

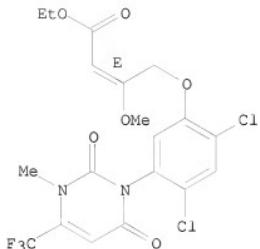
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(5-(trifluoromethyl)-1,3,4-thiadiazol-2-yl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 718626-21-2 CAPLUS

CN 2-Butenoic acid, 4-[2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-3-methoxy-, ethyl ester, (2E)- (CA INDEX NAME)

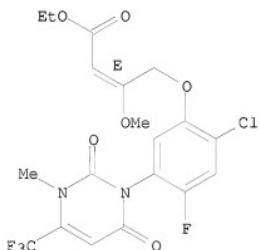
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RN 718626-22-3 CAPLUS

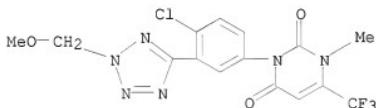
CN 2-Butenoic acid, 4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-methoxy-, ethyl ester, (2E)- (CA INDEX NAME)

Double bond geometry as shown.



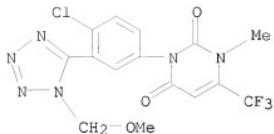
RN 718626-23-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[1-(methoxymethyl)-2H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

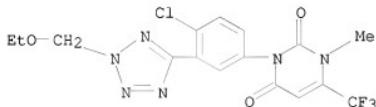


RN 718626-24-5 CAPLUS

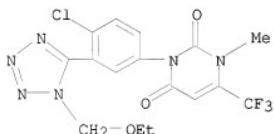
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[1-(methoxymethyl)-1H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



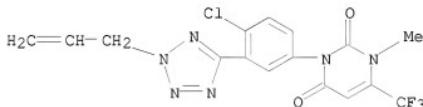
RN 718626-25-6 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[2-(ethoxymethyl)-2H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



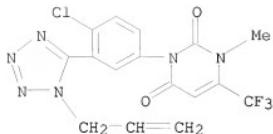
RN 718626-26-7 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[1-(ethoxymethyl)-1H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 718626-27-8 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[2-(2-propenyl)-2H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

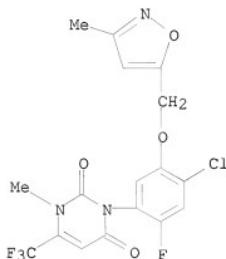


RN 718626-28-9 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[1-(2-propenyl)-1H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



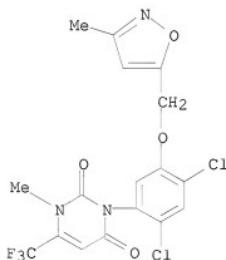
RN 718626-29-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(3-methyl-5-isoxazolyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



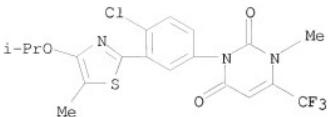
RN 718626-30-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-[(3-methyl-5-isoxazolyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

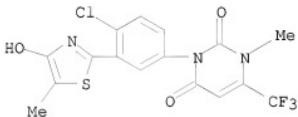


RN 718626-31-4 CAPLUS

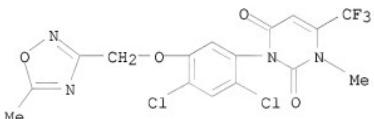
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[5-methyl-4-(1-methylethoxy)-2-thiazolyl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



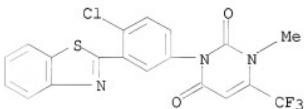
RN 718626-32-5 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(4-hydroxy-5-methyl-2-thiazolyl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



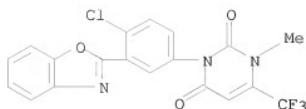
RN 718626-33-6 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-[(5-methyl-1,2,4-oxadiazol-3-yl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



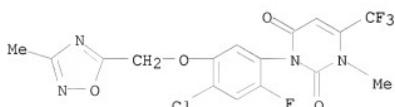
RN 718626-34-7 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[3-(2-benzothiazolyl)-4-chlorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



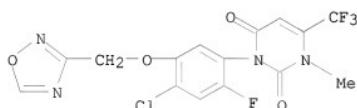
RN 718626-35-8 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[3-(2-benzoxazolyl)-4-chlorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



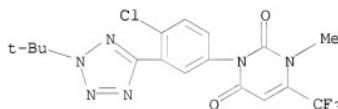
RN 718626-36-9 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-((3-methyl-1,2,4-oxadiazol-5-yl)methoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



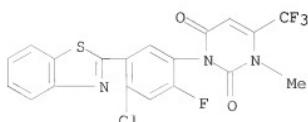
RN 718626-37-0 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-((1,2,4-oxadiazol-3-ylmethoxy)phenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



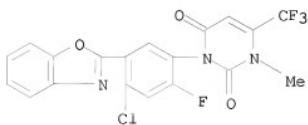
RN 718626-38-1 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-((2-(1,1-dimethylethyl)-2H-tetrazol-5-yl)phenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



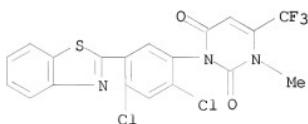
RN 718626-39-2 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-(2-benzothiazolyl)-4-chloro-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



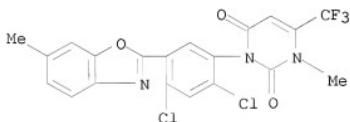
RN 718626-40-5 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-(2-benzoxazolyl)-4-chloro-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



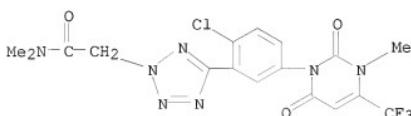
RN 718626-41-6 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-(2-benzothiazolyl)-2,4-dichlorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



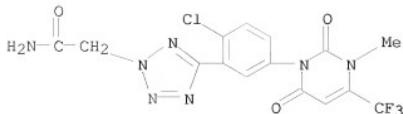
RN 718626-42-7 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-(6-methyl-2-benzoxazolyl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 718626-43-8 CAPLUS
CN 2H-Tetrazole-2-acetamide, 5-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-N,N-dimethyl- (CA INDEX NAME)

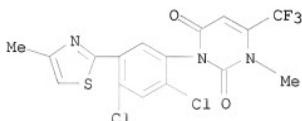


RN 718626-44-9 CAPLUS
CN 2H-Tetrazole-2-acetamide, 5-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]- (CA INDEX NAME)



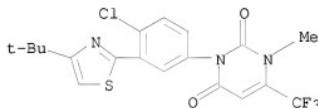
RN 718626-45-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-(4-methyl-2-thiazolyl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



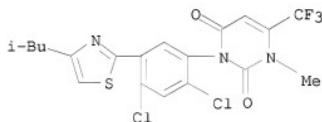
RN 718626-46-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[4-(1,1-dimethylethyl)-2-thiazolyl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



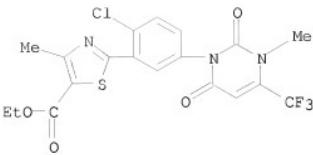
RN 718626-47-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-[4-(2-methylpropyl)-2-thiazolyl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



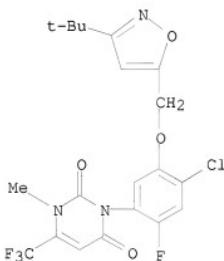
RN 718626-48-3 CAPLUS

CN 5-Thiazoletcarboxylic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-4-methyl-, ethyl ester (CA INDEX NAME)



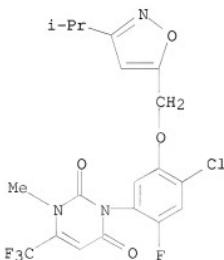
RN 718626-49-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(3-(1,1-dimethylethyl)-5-isoxazolyl)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



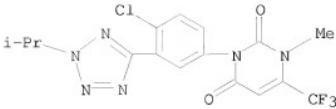
RN 718626-50-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(3-(1-methylethyl)-5-isoxazolyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

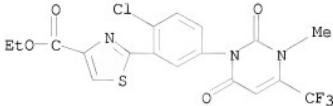


RN 718626-51-8 CAPLUS

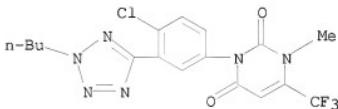
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[(2-(1-methylethyl)-2H-tetrazol-5-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 718626-52-9 CAPLUS
 CN 4-Thiazolecarboxylic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-, ethyl ester (CA INDEX NAME)

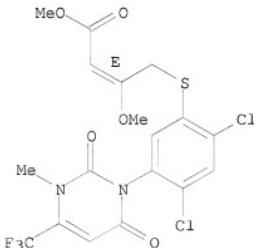


RN 718626-53-0 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[3-(2-butyl-2H-tetrazol-5-yl)-4-chlorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



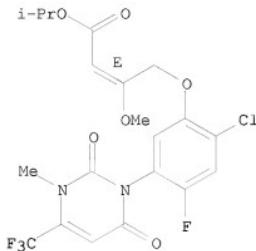
RN 718626-54-1 CAPLUS
 CN 2-Butenoic acid, 4-[(2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl)thio]-3-methoxy-, methyl ester, (2E)- (CA INDEX NAME)

Double bond geometry as shown.



RN 718626-55-2 CAPLUS
 CN 2-Butenoic acid, 4-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]4-fluorophenoxy)-3-methoxy-, 1-methylethyl ester, (2E)- (CA INDEX NAME)

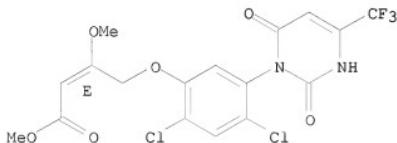
Double bond geometry as shown.



RN 718626-56-3 CAPLUS

CN 2-Butenoic acid, 4-[2,4-dichloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-3-methoxy-, methyl ester, (2E)- (CA INDEX NAME)

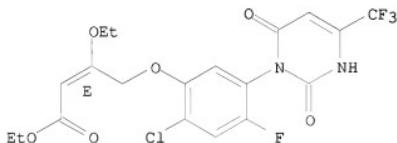
Double bond geometry as shown.



RN 718626-57-4 CAPLUS

CN 2-Butenoic acid, 4-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-ethoxy-, ethyl ester, (2E)- (CA INDEX NAME)

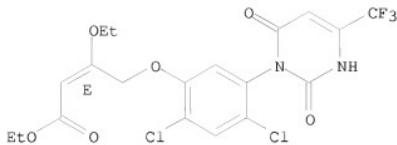
Double bond geometry as shown.



RN 718626-58-5 CAPLUS

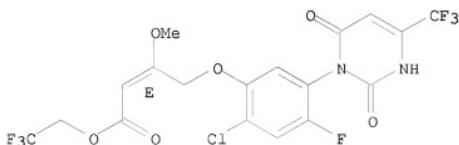
CN 2-Butenoic acid, 4-[2,4-dichloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-3-ethoxy-, ethyl ester, (2E)- (CA INDEX NAME)

Double bond geometry as shown.



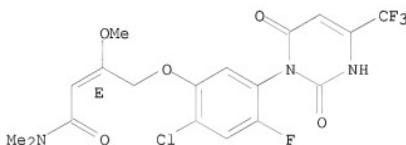
RN 718626-59-6 CAPLUS
 CN 2-Butenoic acid, 4-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-methoxy-, 2,2,2-trifluoroethyl ester, (2E)- (CA INDEX NAME)

Double bond geometry as shown.



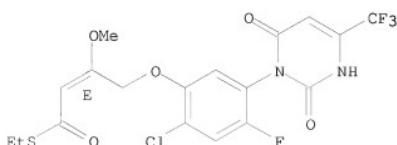
RN 718626-60-9 CAPLUS
 CN 2-Butenamide, 4-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-methoxy-N,N-dimethyl-, (2E)- (CA INDEX NAME)

Double bond geometry as shown.



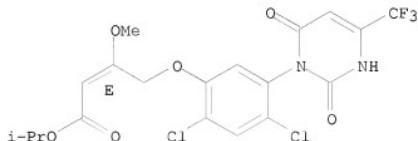
RN 718626-61-0 CAPLUS
 CN 2-Butenethioic acid, 4-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-methoxy-, S-ethyl ester, (2E)- (CA INDEX NAME)

Double bond geometry as shown.



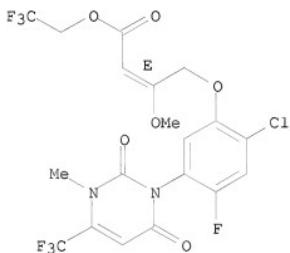
RN 718626-62-1 CAPLUS
CN 2-Butenoic acid, 4-[2,4-dichloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-3-methoxy-, 1-methylethyl ester, (2E)- (CA INDEX NAME)

Double bond geometry as shown.



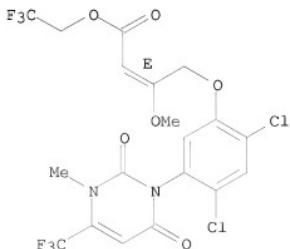
RN 718626-63-2 CAPLUS
CN 2-Butenoic acid, 4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-methoxy-, 2,2,2-trifluoroethyl ester, (2E)- (CA INDEX NAME)

Double bond geometry as shown.



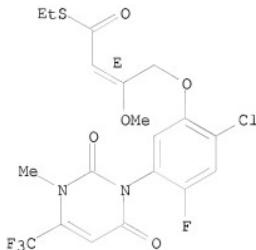
RN 718626-64-3 CAPLUS
CN 2-Butenoic acid, 4-[2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-3-methoxy-, 2,2,2-trifluoroethyl ester, (2E)- (CA INDEX NAME)

Double bond geometry as shown.



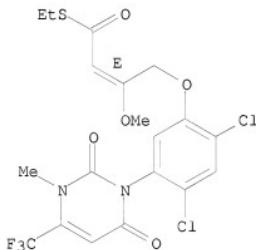
RN 718626-65-4 CAPLUS
CN 2-Butenethioic acid, 4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-methoxy-, S-ethyl ester, (2E)- (CA INDEX NAME)

Double bond geometry as shown.



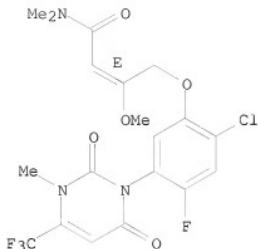
RN 718626-66-5 CAPLUS
CN 2-Butenethioic acid, 4-[2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-3-methoxy-, S-ethyl ester, (2E)- (CA INDEX NAME)

Double bond geometry as shown.



RN 718626-67-6 CAPLUS
CN 2-Butenamide, 4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-methoxy-N,N-dimethyl-, (2E)- (CA INDEX NAME)

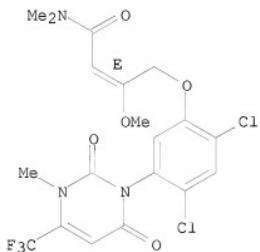
Double bond geometry as shown.



RN 718626-68-7 CAPLUS

CN 2-Butenamide, 4-[2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-3-methoxy-N,N-dimethyl-, (2E)- (CA INDEX NAME)

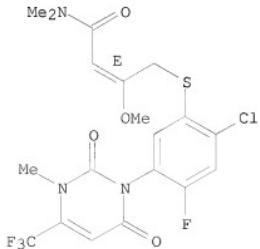
Double bond geometry as shown.



RN 718626-69-8 CAPLUS

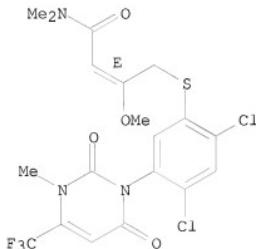
CN 2-Butenamide, 4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-3-methoxy-N,N-dimethyl-, (2E)- (CA INDEX NAME)

Double bond geometry as shown.

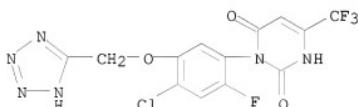


RN 718626-70-1 CAPLUS
CN 2-Butenamide, 4-[{2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl}thio]-3-methoxy-N,N-dimethyl-, (2E)- (CA INDEX NAME)

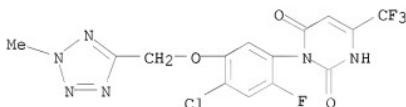
Double bond geometry as shown.



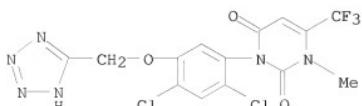
RN 718626-71-2 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1H-tetrazol-5-ylmethoxy)phenyl]-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



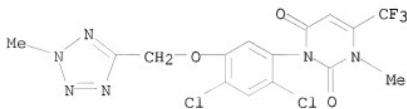
RN 718626-72-3 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-methyl-2H-tetrazol-5-yl)methoxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



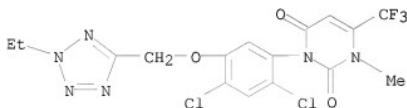
RN 718626-73-4 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-(1H-tetrazol-5-ylmethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



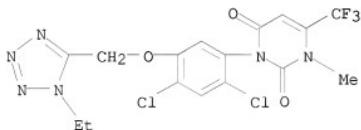
RN 718626-74-5 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-[(2-methyl-2H-tetrazol-5-yl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



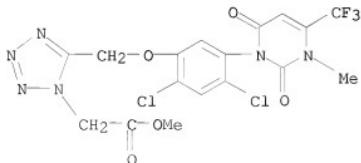
RN 718626-75-6 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-[(2-ethyl-2H-tetrazol-5-yl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



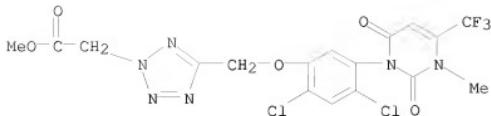
RN 718626-76-7 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-[(1-ethyl-1H-tetrazol-5-yl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



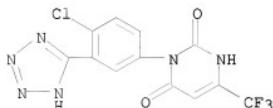
RN 718626-77-8 CAPLUS
CN 1H-Tetrazole-1-acetic acid, 5-[(2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy)methyl]-, methyl ester (CA INDEX NAME)



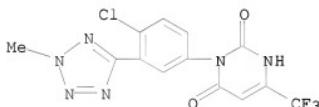
RN 718626-78-9 CAPLUS
CN 2H-Tetrazole-2-acetic acid, 5-[(2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy)methyl]-, methyl ester (CA INDEX NAME)



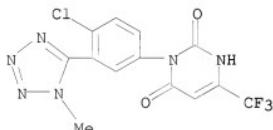
RN 718626-79-0 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(1H-tetrazol-5-yl)phenyl]-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



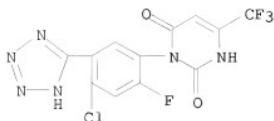
RN 718626-80-3 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2-methyl-2H-tetrazol-5-yl)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



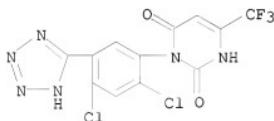
RN 718626-81-4 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(1-methyl-1H-tetrazol-5-yl)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



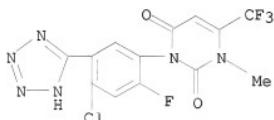
RN 718626-82-5 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1H-tetrazol-5-yl)phenyl]-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



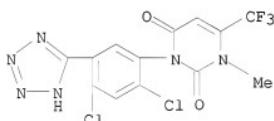
RN 718626-83-6 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-(1H-tetrazol-5-yl)phenyl]-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



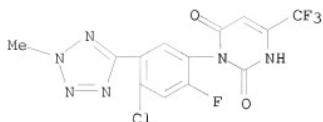
RN 718626-84-7 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1H-tetrazol-5-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



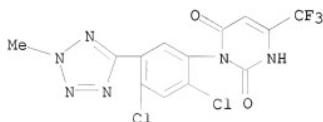
RN 718626-85-8 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-(1H-tetrazol-5-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



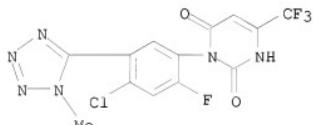
RN 718626-86-9 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-methyl-2H-tetrazol-5-yl)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



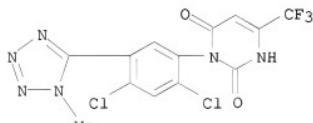
RN 718626-87-0 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-(2-methyl-2H-tetrazol-5-yl)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



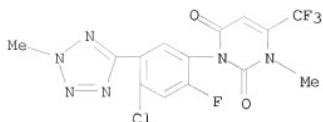
RN 718626-88-1 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methyl-1H-tetrazol-5-yl)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



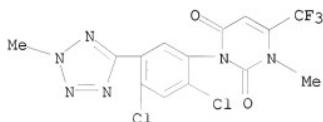
RN 718626-89-2 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-(1-methyl-1H-tetrazol-5-yl)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



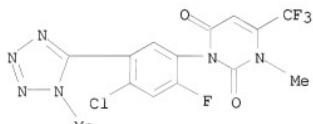
RN 718626-90-5 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-methyl-2H-tetrazol-5-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



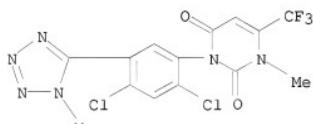
RN 718626-91-6 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-(2-methyl-2H-tetrazol-5-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



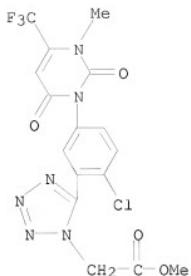
RN 718626-92-7 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1-methyl-1H-tetrazol-5-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 718626-93-8 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-(1-methyl-1H-tetrazol-5-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

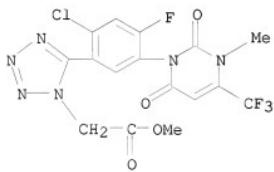


RN 718626-94-9 CAPLUS
 CN 1H-Tetrazole-1-acetic acid, 5-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-, methyl ester (CA INDEX NAME)



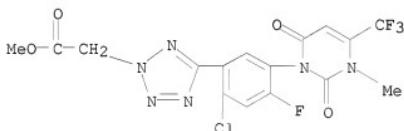
RN 718626-95-0 CAPLUS

CN 1H-Tetrazole-1-acetic acid, 5-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]-, methyl ester (CA INDEX NAME)



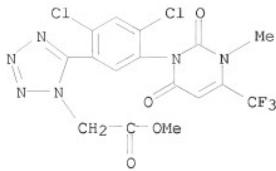
RN 718626-96-1 CAPLUS

CN 2H-Tetrazole-2-acetic acid, 5-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]-, methyl ester (CA INDEX NAME)

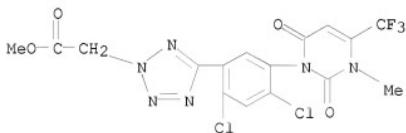


RN 718626-97-2 CAPLUS

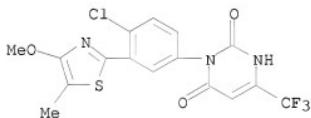
CN 1H-Tetrazole-1-acetic acid, 5-[2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-, methyl ester (CA INDEX NAME)



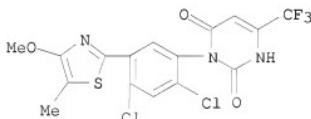
RN 718626-98-3 CAPLUS
 CN 2H-Tetrazole-2-acetic acid, 5-[2,4-dichloro-5-(3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl)phenyl]-, methyl ester (CA INDEX NAME)



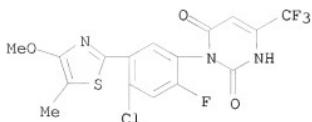
RN 718626-99-4 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(4-methoxy-5-methyl-2-thiazolyl)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



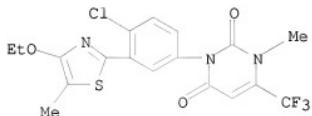
RN 718627-00-0 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-(4-methoxy-5-methyl-2-thiazolyl)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



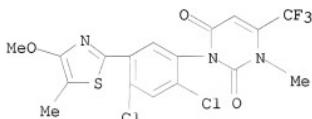
RN 718627-01-1 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(4-methoxy-5-methyl-2-thiazolyl)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



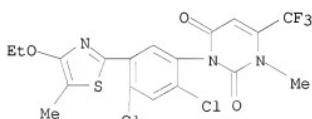
RN 718627-02-2 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(4-methoxy-5-methyl-2-thiazolyl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



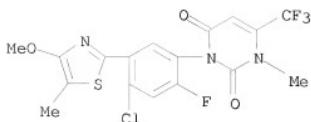
RN 718627-03-3 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-(4-methoxy-5-methyl-2-thiazolyl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



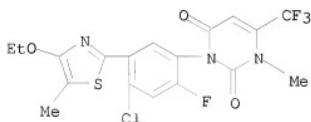
RN 718627-04-4 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-(4-ethoxy-5-methyl-2-thiazolyl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



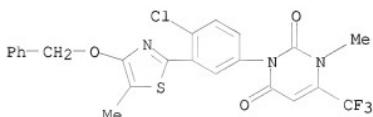
RN 718627-05-5 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(4-methoxy-5-methyl-2-thiazolyl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



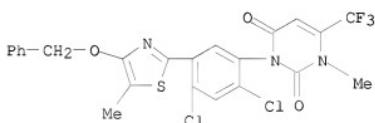
RN 718627-06-6 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-(4-ethoxy-5-methyl-2-thiazolyl)-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



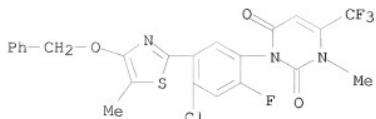
RN 718627-07-7 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[5-methyl-4-(phenylmethoxy)-2-thiazolyl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



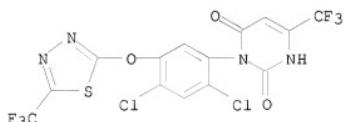
RN 718627-08-8 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-(5-methyl-4-(phenylmethoxy)-2-thiazolyl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



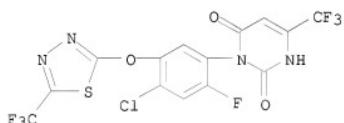
RN 718627-09-9 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[5-methyl-4-(phenylmethoxy)-2-thiazolyl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



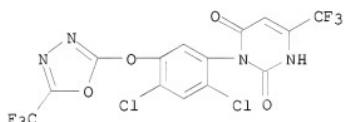
RN 718627-10-2 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-[(5-(trifluoromethyl)-1,3,4-thiadiazol-2-yl]oxyl]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



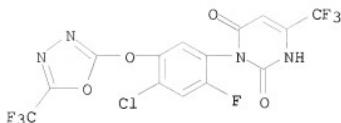
RN 718627-11-3 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(5-(trifluoromethyl)-1,3,4-thiadiazol-2-yl]oxyl]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



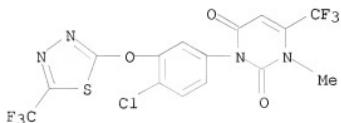
RN 718627-12-4 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-[(5-(trifluoromethyl)-1,3,4-oxadiazol-2-yl]oxyl]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



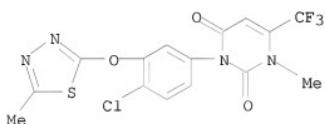
RN 718627-13-5 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(5-(trifluoromethyl)-1,3,4-oxadiazol-2-yl]oxyl]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



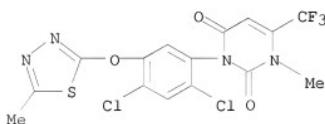
RN 718627-14-6 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[(5-(trifluoromethyl)-1,3,4-thiadiazol-2-yl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



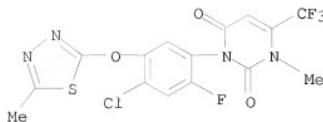
RN 718627-15-7 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[(5-methyl-1,3,4-thiadiazol-2-yl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



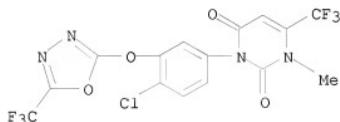
RN 718627-16-8 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-[(5-methyl-1,3,4-thiadiazol-2-yl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



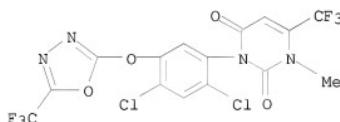
RN 718627-17-9 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(5-methyl-1,3,4-thiadiazol-2-yl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



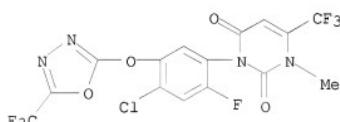
RN 718627-18-0 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[(5-(trifluoromethyl)-1,3,4-oxadiazol-2-yl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



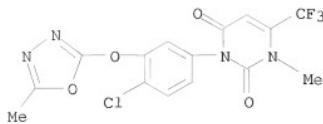
RN 718627-19-1 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-[(5-(trifluoromethyl)-1,3,4-oxadiazol-2-yl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



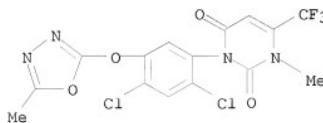
RN 718627-20-4 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(5-(trifluoromethyl)-1,3,4-oxadiazol-2-yl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



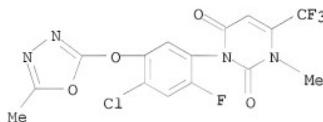
RN 718627-21-5 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[(5-methyl-1,3,4-oxadiazol-2-yl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 718627-22-6 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-dichloro-5-[(5-methyl-1,3,4-oxadiazol-2-yl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

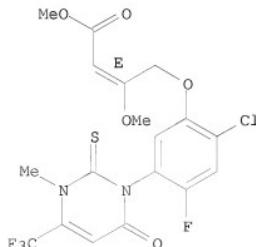


RN 718627-23-7 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(5-methyl-1,3,4-oxadiazol-2-yl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 718627-24-8 CAPLUS
 CN 2-Butenoic acid, 4-[2-chloro-5-[3,6-dihydro-3-methyl-6-oxo-2-thioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-methoxy-, methyl ester, (2E)- (CA INDEX NAME)

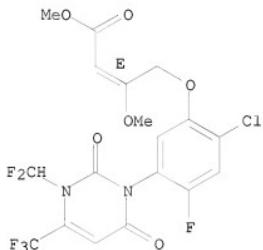
Double bond geometry as shown.



RN 718627-25-9 CAPLUS

CN 2-Butenoic acid, 4-[2-chloro-5-[3-(difluoromethyl)-3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1-(2H)-pyrimidinyl]-4-fluorophenoxy]-3-methoxy-, methyl ester, (2E)- (CA INDEX NAME)

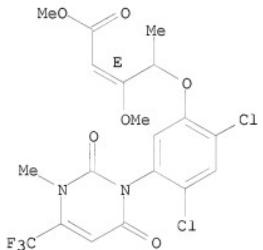
Double bond geometry as shown.



BN 718627-26-0 CAPIUS

CN 2-Pentenoic acid, 4-[2,4-dichloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-3-methoxy-, methyl ester, (2E)- (CA INDEX NAME)

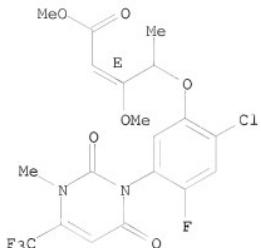
Double bond geometry as shown.



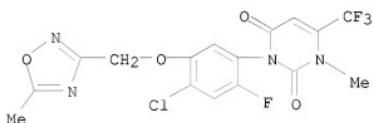
RN 718627-27-1 CAPLUS

CN 2-Pentenoic acid, 4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-methoxy-, methyl ester, (2E) - (CA INDEX NAME)

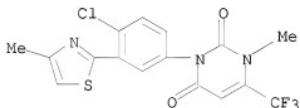
Double bond geometry as shown.



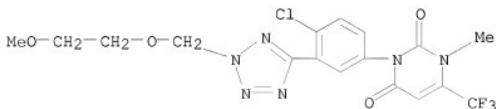
RN 718627-28-2 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(5-methyl-1,2,4-oxadiazol-3-yl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



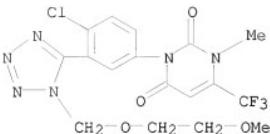
RN 718627-29-3 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(4-methyl-2-thiazolyl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



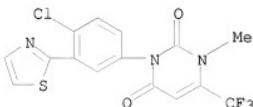
RN 718627-30-6 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[2-[(2-methoxyethoxy)methyl]-2H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



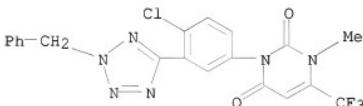
RN 718627-31-7 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[1-[(2-methoxyethoxy)methyl]-1H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



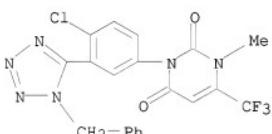
RN 718627-32-8 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2-thiazolyl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



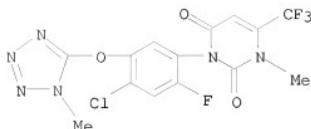
RN 718627-33-9 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[2-(phenylmethyl)-2H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 718627-34-0 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[1-(phenylmethyl)-1H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

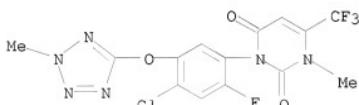


RN 718627-35-1 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(1-methyl-1H-tetrazol-5-yl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 718627-36-2 CAPLUS

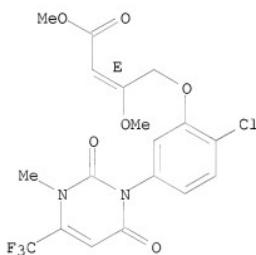
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-methyl-2H-tetrazol-5-yl)oxyl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 718627-38-4 CAPLUS

CN 2-Butenoic acid, 4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-3-methoxy-, methyl ester, (2E)- (CA INDEX NAME)

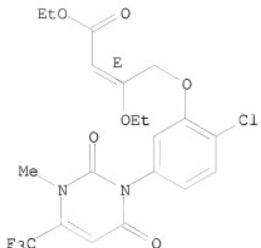
Double bond geometry as shown.



RN 718627-40-8 CAPLUS

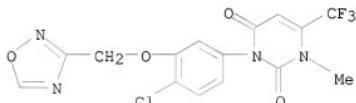
CN 2-Butenoic acid, 4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-3-ethoxy-, ethyl ester, (2E)- (CA INDEX NAME)

Double bond geometry as shown.



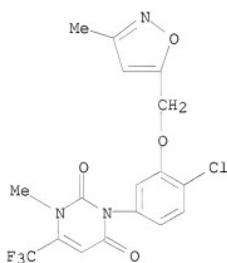
RN 718627-42-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(1,2,4-oxadiazol-3-ylmethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



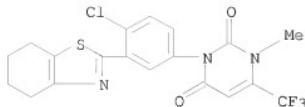
RN 718627-44-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[(3-methyl-5-isoxazolyl)methoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

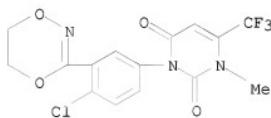


RN 718627-46-4 CAPLUS

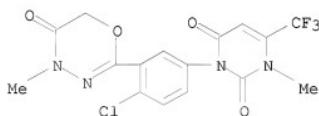
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(4,5,6,7-tetrahydro-2-benzothiazolyl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



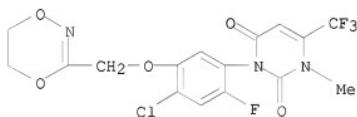
RN 718627-48-6 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(5,6-dihydro-1,4,2-dioxazin-3-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



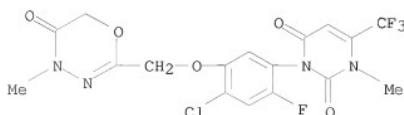
RN 718627-50-0 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(5,6-dihydro-4-methyl-5-oxo-4H-1,3,4-oxadiazin-2-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



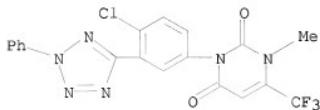
RN 718627-52-2 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(5,6-dihydro-1,4,2-dioxazin-3-yl)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



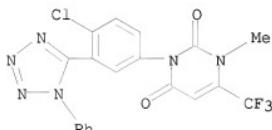
RN 718627-54-4 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(5,6-dihydro-4-methyl-5-oxo-4H-1,3,4-oxadiazin-2-yl)methoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



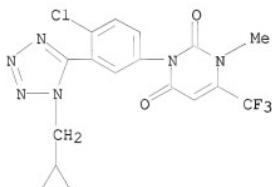
RN 718627-55-5 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(2-phenyl-2H-tetrazol-5-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



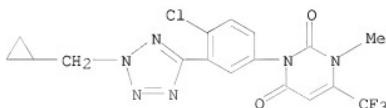
RN 718627-57-7 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(1-phenyl-1H-tetrazol-5-yl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



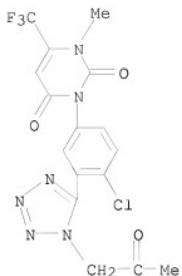
RN 718627-58-8 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[1-(cyclopropylmethyl)-1H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



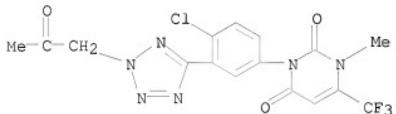
RN 718627-59-9 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[2-(cyclopropylmethyl)-2H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



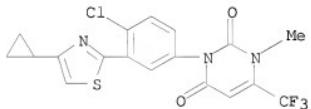
RN 718627-60-2 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[1-(2-oxopropyl)-1H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



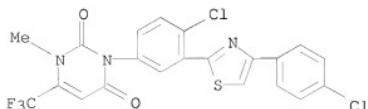
RN 718627-61-3 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[2-(2-oxopropyl)-2H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



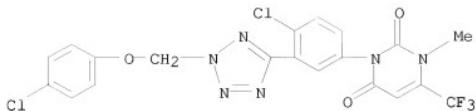
RN 718627-62-4 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-(4-cyclopropyl-2-thiazolyl)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



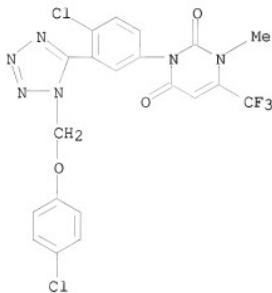
RN 718627-63-5 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[4-(4-chlorophenyl)-2-thiazolyl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



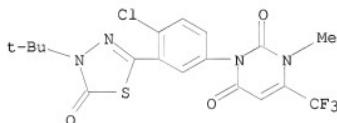
RN 718627-64-6 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[2-[(4-chlorophenoxy)methyl]-2H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



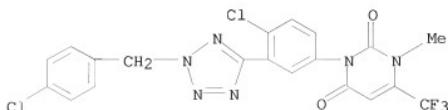
RN 718627-65-7 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[(4-chlorophenoxy)methyl]-1H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 718627-66-8 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[4-(1,1-dimethylethyl)-4,5-dihydro-5-oxo-1,3,4-thiadiazol-2-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

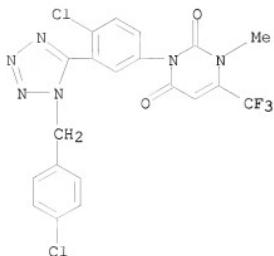


RN 718627-67-9 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[2-[(4-chlorophenyl)methyl]-2H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



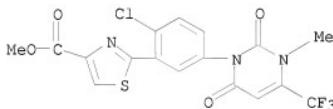
RN 718627-68-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-3-[1-[(4-chlorophenyl)methyl]-1H-tetrazol-5-yl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



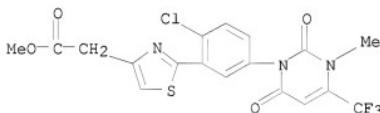
RN 718627-69-1 CAPLUS

CN 4-Thiazolecarboxylic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-, methyl ester (CA INDEX NAME)



RN 718627-70-4 CAPLUS

CN 4-Thiazolediacetic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenyl]-, methyl ester (CA INDEX NAME)

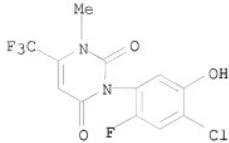


IT 114136-60-6

RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of new uracils having a herbicidal activity)

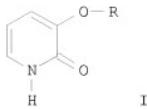
RN 114136-60-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



L3 ANSWER 5 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2004:2858 CAPLUS
 DOCUMENT NUMBER: 140:42035
 TITLE: Preparation of phenoxy-substituted 2-pyridone compounds
 INVENTOR(S): Furukawa, Takashi; Matsuo, Noritada; Tohyama, Yoshitomo
 PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan
 SOURCE: PCT Int. Appl., 23 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004000812	A1	20031231	WO 2003-JP7843	20030620
W: AB, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2485542	A1	20031231	CA 2003-2485542	20030620
AU 2003242489	A1	20040106	AU 2003-242489	20030620
BR 2003012100	A	20050329	BR 2003-12100	20030620
EP 1538145	A1	20050608	EP 2003-733526	20030620
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1662503	A	20050831	CN 2003-814135	20030620
RU 2300526	C2	20070610	RU 2005-101628	20030620
JP 2004083571	A	20040318	JP 2003-179156	20030624
US 2005154210	A1	20050714	US 2004-513373	20041103
US 7189855	B2	20070313		
ZA 2004008932	A	20060426	ZA 2004-8932	20041104
MX 2004PA12202	A	20050303	MX 2004-PA12202	20041206
IN 2004CN02900	A	20060217	IN 2004-CN2900	20041221
PRIORITY APPLN. INFO.:			JP 2002-184105	A 20020625
			WO 2003-JP7843	W 20030620
OTHER SOURCE(S): GI		CASREACT 140:42035; MARPAT 140:42035		



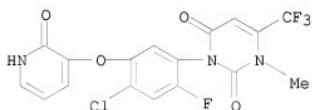
AB 3-Phenoxy-2-pyridone compds. I ($R = Ph$, substituted Ph), useful as herbicide intermediates, can be produced by reacting $MeCOCH(OR)COMe$ with a malonaldehyde derivative such as 3-alkoxypropenal in the presence of a protonic acid. Thus, reaction of 3-oxo-2-phenoxybutyramide with 1,1,3,3-tetramethoxypropane in HOAc in the presence of HBr gave 3-phenoxy-2-pyridone.

IT 497866-09-8P

RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)
(preparation of phenoypyridones)

RN 497866-09-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(1,2-dihydro-2-oxo-3-pyridinyl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

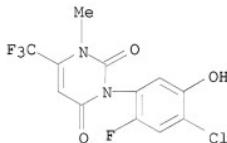


IT 114136-60-6

RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of phenoypyridones)

RN 114136-60-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

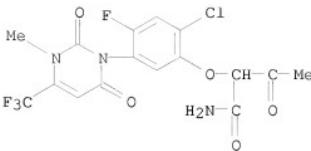


IT 637001-82-2P

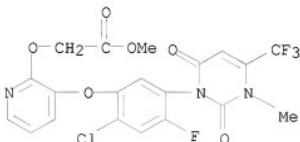
RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of phenoypyridones)

RN 637001-82-2 CAPLUS

CN Butanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-oxo- (CA INDEX NAME)



IT 353292-14-5P
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of phenoxypyridones)
 RN 353292-14-5 CAPLUS
 CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



REFERENCE COUNT: 9 THERE ARE 9 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 6 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2003:950757 CAPLUS
 DOCUMENT NUMBER: 139:392524
 TITLE: Preparation of phenyluracil derivatives as herbicides and arthropod-control agents
 INVENTOR(S): Schwarz, Hans-Georg; Andree, Roland; Hoischen, Dorothee; Linker, Karl-Heinz; Drewes, Mark Wilhelm; Dahmen, Peter; Feucht, Dieter; Pontzen, Rolf
 PATENT ASSIGNEE(S): Bayer CropScience AG, Germany
 SOURCE: PCT Int. Appl., 63 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

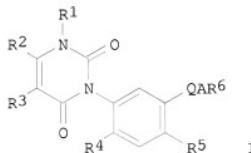
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003099009	A1	20031204	WO 2003-EP5160	20030516
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

DE 102233914	A1	20031211	DE 2002-102233914	20020529
IN 2003MU00471	A	20050211	IN 2003-MU471	20030512
CA 2487781	A1	20031204	CA 2003-2487781	20030516
AU 2003240662	A1	20031212	AU 2003-240662	20030516
EP 1511383	A1	20050309	EP 2003-730057	20030516
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
BR 2003011567	A	20050412	BR 2003-11567	20030516
MX 2004PA11823	A	20050331	MX 2004-PA11823	20041126
US 2005288185	A1	20051229	US 2005-515516	20050711
PRIORITY APPLN. INFO.:			DE 2002-10223914	A 20020529
			WO 2003-EP5160	W 20030516

OTHER SOURCE(S):

MARPAT 139:392524

GI



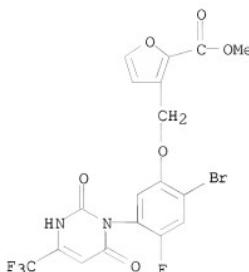
AB The phenyluracil derivs. I [A = alkanediyl, alkenediyl or alkynediyl; Q = O, S, So or SO₂; R1 = H, amino or (un)substituted alkyl; , R2 = carboxy, cyano, carbamoyl, thiocarbamoyl or (un)substituted alkyl; R3 = H, halo or (halo)alkyl; R4 = H, cyano, carbamoyl, thiocarbamoyl or halo; R5 = nitro, cyano, carbamoyl, thiocarbamoyl, halo or (un)substituted alkyl; R6 = (un)substituted heterocyclyl] are prepared as herbicides and arthropod-control agents.

IT 626228-94-2P 626228-98-6P 626229-02-5P
 626229-06-9P 626229-10-5P 626229-12-7P
 626229-13-8P 626229-14-9P 626229-17-2P
 626229-21-8P 626229-24-1P 626229-25-2P
 626229-27-4P 626229-29-6P 626229-31-0P
 626229-33-2P 626229-37-6P 626229-41-2P
 626229-45-6P 626229-52-5P 626229-55-8P
 626229-57-0P 626229-59-2P 626229-61-6P

RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation as herbicide and arthropod-control agent)

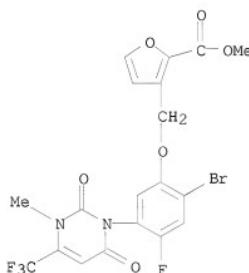
RN 626228-94-2 CAPLUS

CN 2-Furancarboxylic acid, 3-[[2-bromo-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)



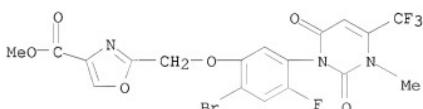
RN 626228-98-6 CAPLUS

CN 2-Furancarboxylic acid, 3-[(2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)methyl]-, methyl ester (CA INDEX NAME)



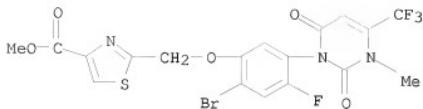
RN 626229-02-5 CAPLUS

CN 4-Oxazolecarboxylic acid, 2-[(2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)methyl]-, methyl ester (CA INDEX NAME)



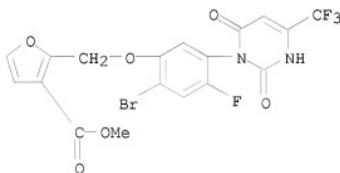
RN 626229-06-9 CAPLUS

CN 4-Thiazolecarboxylic acid, 2-[(2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)methyl]-, methyl ester (CA INDEX NAME)



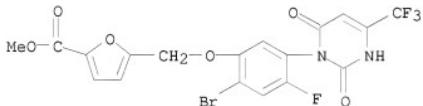
RN 626229-10-5 CAPLUS

CN 3-Furancarboxylic acid, 2-[(2-bromo-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)methyl]-, methyl ester (CA INDEX NAME)



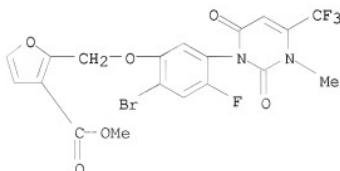
RN 626229-12-7 CAPLUS

CN 2-Furancarboxylic acid, 5-[(2-bromo-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)methyl]-, methyl ester (CA INDEX NAME)



RN 626229-13-8 CAPLUS

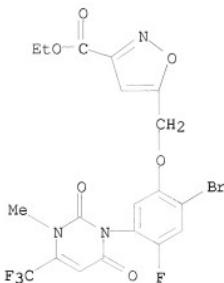
CN 3-Furancarboxylic acid, 2-[(2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)methyl]-, methyl ester (CA INDEX NAME)



RN 626229-14-9 CAPLUS

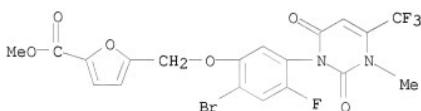
CN 3-Isoxazolecarboxylic acid, 5-[(2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)methyl]-, ethyl ester

ester (CA INDEX NAME)



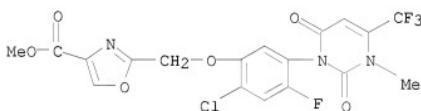
RN 626229-17-2 CAPLUS

CN 2-Furancarboxylic acid, 5-[(2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)methyl]-, methyl ester (CA INDEX NAME)



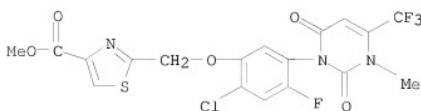
RN 626229-21-8 CAPLUS

CN 4-Oxazolecarboxylic acid, 2-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)methyl]-, methyl ester (CA INDEX NAME)



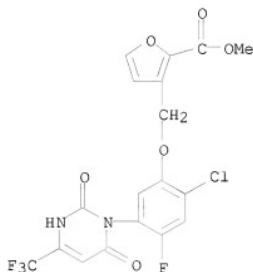
RN 626229-24-1 CAPLUS

CN 4-Thiazolecarboxylic acid, 2-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)methyl]-, methyl ester (CA INDEX NAME)



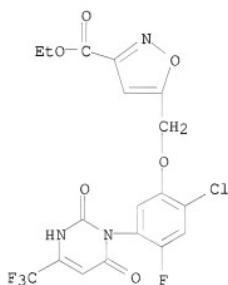
RN 626229-25-2 CAPLUS

CN 2-Furancarboxylic acid, 3-[[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)



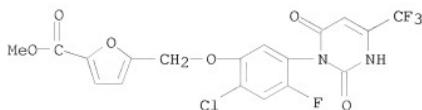
RN 626229-27-4 CAPLUS

CN 3-Isoxazolecarboxylic acid, 5-[[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, ethyl ester (CA INDEX NAME)

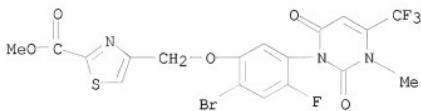


RN 626229-29-6 CAPLUS

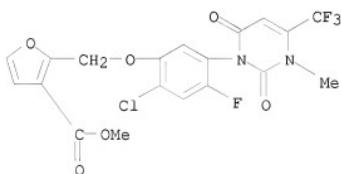
CN 2-Furancarboxylic acid, 5-[[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)



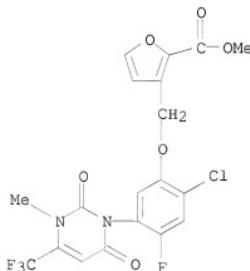
RN 626229-31-0 CAPLUS
CN 2-Thiazolecarboxylic acid, 4-[[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)



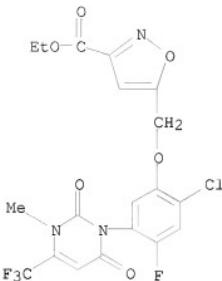
RN 626229-33-2 CAPLUS
CN 3-Furancarboxylic acid, 2-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)



RN 626229-37-6 CAPLUS
CN 2-Furancarboxylic acid, 3-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)

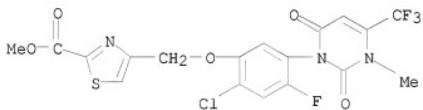


RN 626229-41-2 CAPLUS
CN 3-Isoazolecarboxylic acid, 5-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, ethyl ester (CA INDEX NAME)



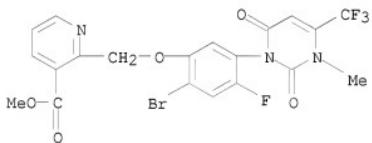
RN 626229-45-6 CAPLUS

CN 2-Thiazolecarboxylic acid, 4-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)



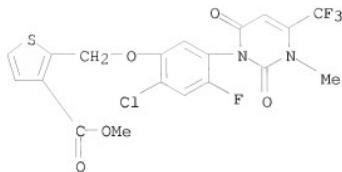
RN 626229-52-5 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)

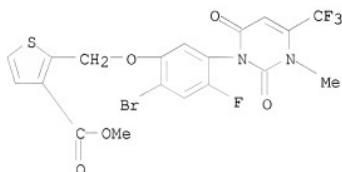


RN 626229-55-8 CAPLUS

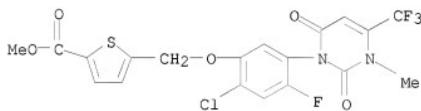
CN 3-Thiophenecarboxylic acid, 2-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)



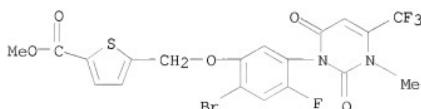
RN 626229-57-0 CAPLUS
 CN 3-Thiophenecarboxylic acid, 2-[[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)



RN 626229-59-2 CAPLUS
 CN 2-Thiophenecarboxylic acid, 5-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)

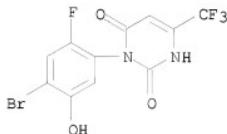


RN 626229-61-6 CAPLUS
 CN 2-Thiophenecarboxylic acid, 5-[[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]methyl]-, methyl ester (CA INDEX NAME)



IT 216988-80-6
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (reactant in preparation of phenyluracil derivative)

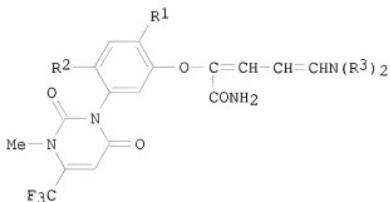
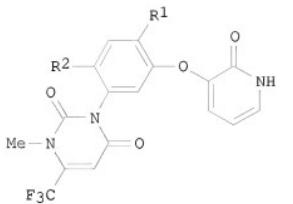
RN 216988-80-6 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-bromo-2-fluoro-5-hydroxyphenyl)-6-(trifluoromethyl)- (CA INDEX NAME)



REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 7 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2003:883061 CAPLUS
DOCUMENT NUMBER: 139:350752
TITLE: Method for preparation of 2-pyridone derivative
INVENTOR(S): Toyama, Yoshitomo
PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003321468	A	20031111	JP 2002-127972	20020430
OTHER SOURCE(S): GI			JP 2002-127972	20020430
			CASREACT 139:350752; MARPAT 139:350752	



AB 3-[3-(3-Methyl-2,6-dioxo-4-trifluoromethyl-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]-2-pyridone derivative (I; R1 = halo, cyano, NO₂; R2 = H, halo) is prepared by cyclization of [(tetrahydropyrimidinyl)phenoxy](aminopropenylidene)acetamide (diene compound) (II; R1, R2 = same as above; R3 = Cl-3 alkyl) in the presence of an aliphatic acid, in particular acetic acid. The compound I is useful as an intermediate for herbicide. Thus, 0.2 g 2-(2-chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-trifluoromethyl-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy)acetamide was dissolved in 5 mL THF, treated with 0.04 g NaH (60% in oil) at 0°, stirred at room temperature for 20 min, cooled to 0°, treated with 0.18 g 1,1,5,5-tetramethyl-1,5-diazapentadienium chloride, and stirred at room temperature for 3 h to give,

after workup and silica gel chromatog., 0.055 g II (R1 = Cl, R2 = F, R3 = Me). A mixture of the latter compound (0.05 g) and 0.2 mL AcOH was stirred at 40-60° for 2 h to give, after workup and silica gel chromatog., 0.022 g I (R1 = Cl, R2 = F).

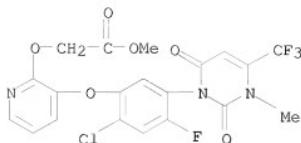
IT 353292-14-5P

RL: AGR (Agricultural use); **BSU:** (Biological study, unclassified); **SPN:** (Synthetic preparation); **BIOL:** (Biological study); **PREP:** (Preparation); **USES:** (Uses)

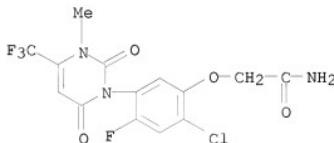
(preparation of [(tetrahydropyrimidinyl)phenoxy]pyridone derivative by cyclization of [(tetrahydropyrimidinyl)phenoxy](aminopropenylidene)acetamide in presence of acetic acid)

RN 353292-14-5 CAPLUS

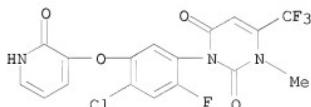
CN Acetic acid, {[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy}-, methyl ester (9CI) (CA INDEX NAME)



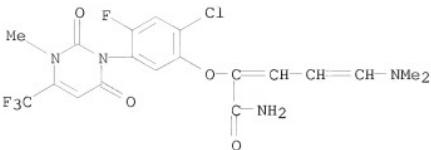
- IT 114183-68-5 2-[2-Chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-trifluoromethyl-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]acetamide
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of [(tetrahydropyrimidinyl)phenoxy]pyridone derivative by cyclization of [(tetrahydropyrimidinyl)phenoxy](aminopropenylidene)acet amide in presence of acetic acid)
- RN 114183-68-5 CAPLUS
- CN Acetamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



- IT 497866-09-8P 618120-34-6P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of [(tetrahydropyrimidinyl)phenoxy]pyridone derivative by cyclization of [(tetrahydropyrimidinyl)phenoxy](aminopropenylidene)acet amide in presence of acetic acid)
- RN 497866-09-8 CAPLUS
- CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(1,2-dihydro-2-oxo-3-pyridinyl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

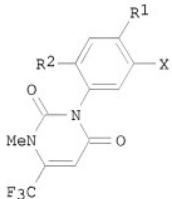


- RN 618120-34-6 CAPLUS
- CN 2,4-Pentadienamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-5-(dimethylamino)- (CA INDEX NAME)



L3 ANSWER 8 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2003:793597 CAPLUS
 DOCUMENT NUMBER: 139:307783
 TITLE: Preparation of pyridones as intermediates for uracil herbicides
 INVENTOR(S): Toyama, Yoshitomo
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003286285	A	20031010	JP 2002-88576	20020327
PRIORITY APPLN. INFO.:			JP 2002-88576	20020327
OTHER SOURCE(S):	MARPAT	139:307783		
GI				



I

AB Pyridones I (R1 = halo, cyano, NO₂; R2 = H, halo; X = 1H-pyridin-2-on-3-yl) are prepared by reaction of I (X = OCH₂CN) with (R3)2NCH:CHCH:N+(R3)2A-(R3 = C1-3 alkyl; A = halo) and cyclization of I [X = OC(CN):CHCH:CHN(R3)₂; R3 = same as above] using polyphosphoric acid. I [R1 = Cl, R2 = F, X = OC(CN):CHCH:CHNMe₂] (0.1 g) was treated with polyphosphoric acid at 100-120° for 1 h to give 0.082 g I (R1 = Cl, R2 = F, X = 1H-pyridin-2-on-3-yl), which was converted into herbicidal I [R1 = Cl, R2 = F, X = 2-(methoxycarbonylmethoxy)pyridin-3-yl].

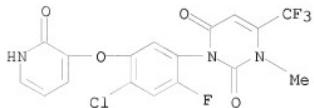
IT 497866-09-8P 610275-07-5P

RL: IMF (Industrial manufacture); RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of pyridones as intermediates for uracil herbicides)

RN 497866-09-8 CAPLUS

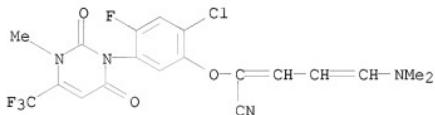
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(1,2-dihydro-2-oxo-3-

pyridinyl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 610275-07-5 CAPLUS

CN 2,4-Pentadienenitrile, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-5-(dimethylamino)- (CA INDEX NAME)



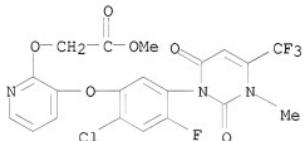
IT 353292-14-5P

RL: IMF (Industrial manufacture); SPN (Synthetic preparation); PREP (Preparation)

(preparation of pyridones as intermediates for uracil herbicides)

RN 353292-14-5 CAPLUS

CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl)oxy]-, methyl ester (9CI) (CA INDEX NAME)



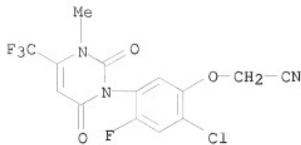
IT 114170-03-5

RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of pyridones as intermediates for uracil herbicides)

RN 114170-03-5 CAPLUS

CN Acetonitrile, [2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (9CI) (CA INDEX NAME)



L3 ANSWER 9 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:777439 CAPLUS

DOCUMENT NUMBER: 139:292261

TITLE: Process for preparation of herbicidal pyrimidinyl carbonyl hydrazones

INVENTOR(S): Kanamori, Fumio; Tsukamoto, Masamitsu

PATENT ASSIGNEE(S): Ishihara Sangyo Kaisha, Ltd., Japan

SOURCE: U.S. Pat. Appl. Publ., 13 pp.

CODEN: USXXCO

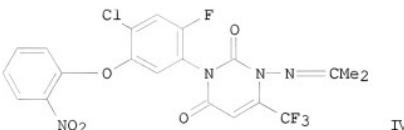
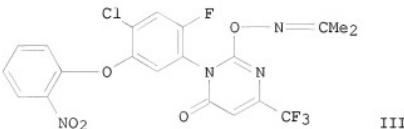
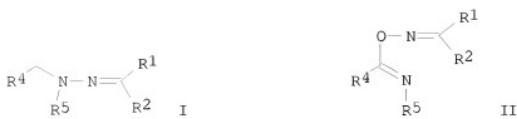
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003187264	A1	20031002	US 2001-983835	20011026
US 6806367	B2	20041019		
PRIORITY APPLN. INFO.:			US 2001-983835	20011026
OTHER SOURCE(S):	MARPAT	139:292261		
GI				



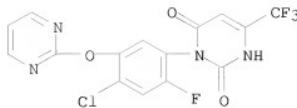
AB This invention relates to a method for producing the title compds. I (R1 and R2 = H, unsubstituted or substituted alkyl, unsubstituted or substituted alkenyl, unsubstituted or substituted alkynyl, unsubstituted or substituted aryl, unsubstituted or substituted heteroaryl, OR3 , SR3 , COR3 , CO2R3 or cyano; R1 and R2 may combine together with the adjacent carbon atom =CR1R2 to form an unsubstituted or substituted cyclic ring; R3 = substituted alkyl, unsubstituted or substituted alkenyl, unsubstituted or substituted alkynyl, unsubstituted or substituted aryl, unsubstituted or substituted heteroaryl; R4 and R5 = H, unsubstituted or substituted alkyl, unsubstituted or substituted alkenyl, unsubstituted or substituted alkynyl, unsubstituted or substituted aryl, unsubstituted or substituted heteroaryl, etc.; R4 and R5 may combine together with the adjacent skeleton of C/N bond to form a heterocyclic ring) and their salts by rearrangement of II or their salts. Thus, the 2-[(1-methylethylidene)aminoxy]-4(3H)pyrimidinone III was heated at 170° for 1 h to give the 1-[(1-methylethylidene)amino]-2,4(1H,3H)-pyrimidinedione IV.

IT 213676-29-0 213676-33-6

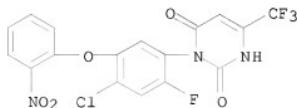
RL: RCT (Reactant), RACT (Reactant or reagent)
(preparation of herbicidal pyrimidinyl carbonyl hydrazones)

RN 213676-29-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-pyrimidinyloxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



RN 213676-33-6 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-nitrophenoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



REFERENCE COUNT: 10 THERE ARE 10 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 10 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2003:532315 CAPLUS
 DOCUMENT NUMBER: 139:80704
 TITLE: Preparation of aryl ether derivatives as herbicides and desiccants
 INVENTOR(S): Gupta, Sandeep; Tsukamoto, Masamitsu; Read, Mark
 PATENT ASSIGNEE(S): Ishihara Sangyo Kaisha, Ltd., Japan
 SOURCE: U.S. Pat. Appl. Publ., 25 pp., Cont.-in-part of U.S. Ser. No. 970,220, abandoned.
 CODEN: USXKC0
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 2003130122	A1	20030710	US 2001-1816	20011205
US 6613718	B2	20030902		
CA 2461976	A1	20030410	CA 2002-2461976	20020906
WO 2003029225	A1	20030410	WO 2002-US25963	20020906
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KE, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002331587	A1	20030414	AU 2002-331587	20020906
EP 1432692	A1	20040630	EP 2002-768561	20020906
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
BR 2002013023	A	20050118	BR 2002-13023	20020906
HU 2004002295	A2	20050228	HU 2004-2295	20020906

CN 1599727	A	20050323	CN 2002-824000	20020906
JP 200508929	T	20050407	JP 2003-532475	20020906
US 2003195118	A1	20031016	US 2003-376621	20030303
US 6927193	B2	20050809		
MX 2004PA03159	A	20040708	MX 2004-PA3159	20040401
US 2004267014	A1	20041230	US 2004-491337	20040820
PRIORITY APPLN. INFO.:			US 2001-970220	B2 20011001
			US 2001-1816	A 20011205
			WO 2002-US25963	W 20020906

OTHER SOURCE(S): MARPAT 139:80704
GI



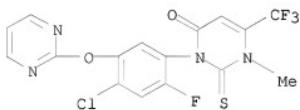
AB The aryl ether derivs. I [X, Y = H, halo, cyano, nitro, haloalkyl, or haloalkoxy; Z = O or S; Q = Q1-6; A = O, S, or NH; R1 = H, alkyl, haloalkyl or amino; R2, R3 = H, halo, cyano, nitro, alkyl, haloalkyl, alkenyl, haloalkenyl or (un)substituted amino; Ar = (un)substituted carbocyclic or heterocyclic aromatic ring, optionally fused with another ring] are prepared as herbicides and desiccants.

IT 507448-61-5P 507448-81-9P

RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation as herbicide and desiccant)

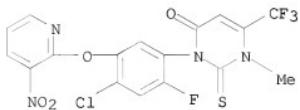
RN 507448-61-5 CAPLUS

CN 4(1H)-Pyrimidinone, 3-[4-chloro-2-fluoro-5-(2-pyrimidinyloxy)phenyl]-2,3-dihydro-1-methyl-2-thioxo-6-(trifluoromethyl)-(CA INDEX NAME)



RN 507448-81-9 CAPLUS

CN 4(1H)-Pyrimidinone, 3-[4-chloro-2-fluoro-5-[(3-nitro-2-pyridinyl)oxyphenyl]-2,3-dihydro-1-methyl-2-thioxo-6-(trifluoromethyl)-(CA INDEX NAME)



L3 ANSWER 11 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:424440 CAPLUS

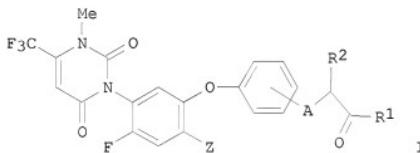
DOCUMENT NUMBER: 139:2382

TITLE: Synergistic broad-spectrum herbicide compositions and

INVENTOR(S): control of weeds with them
 Nishio, Shoichi
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003160415	A	20030603	JP 2001-363955	20011129
CA 2468325	A1	20030605	CA 2002-2468325	20020426
WO 2003045148	A1	20030605	WO 2002-JP4196	20020426
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002253604	A1	20030610	AU 2002-253604	20020426
EP 1470753	A1	20041027	EP 2002-722809	20020426
EP 1470753	B1	20070613		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
ES 2288188	T3	20080101	ES 2002-2722809	20020426
US 2005014648	A1	20050120	US 2004-496637	20040525
PRIORITY APPLN. INFO.:			JP 2001-363955	A 20011129
			WO 2002-JP4196	W 20020426

OTHER SOURCE(S): MARPAT 139:2382
GI



AB The compns. contain N-heterocyclic compds. I (Z = halo, cyano; A = O, S, NH; R1 = OH, C1-7 alkoxy, C3-7 alkenyloxy, C5-7 cycloalkoxy, etc.; R2 = H, Me) and Et 2-(4-chloro-6-methoxypyrimidin-2-ylcarbamoylsulfamoyl)benzoate (chlorimuron-Et). Concomitant application of I (A = O, Z = Cl, R1 = OMe, R2 = H) and chlorimuron-Et (Classic) at 5 and 5 g/ha, resp., completely controlled Cyperus esculentus and did not damage soybean plants. Formulation examples of wettable powders and suspensions are given.

IT 532952-31-1 532952-32-2 532952-33-3
 532952-34-4 532952-37-7 532952-38-8
 532952-39-9 532952-42-4 532952-43-5

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
(synergistic broad-spectrum herbicide compns. containing N-heterocycles and chlorimuron-Et for weed control)

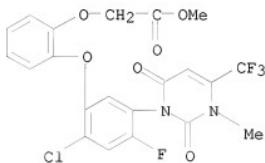
RN 532952-31-1 CAPLUS

CN Benzoic acid, 2-[[[(4-chloro-6-methoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl-, ethyl ester, mixt. with methyl [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-98-3

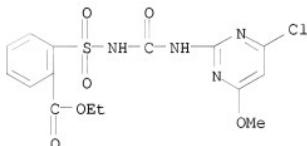
CMF C21 H15 Cl F4 N2 O6



CM 2

CRN 90982-32-4

CMF C15 H15 Cl N4 O6 S



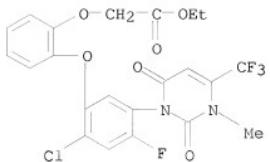
RN 532952-32-2 CAPLUS

CN Benzoic acid, 2-[[[(4-chloro-6-methoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl-, ethyl ester, mixt. with ethyl [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-99-4

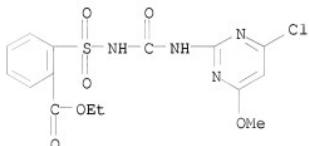
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 90982-32-4

CMF C15 H15 Cl N4 O6 S



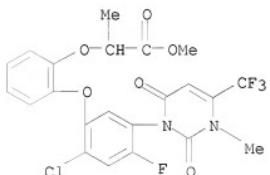
RN 532952-33-3 CAPLUS

CN Benzoic acid, 2-[[[[(4-chloro-6-methoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-, ethyl ester, mixt. with methyl 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-95-0

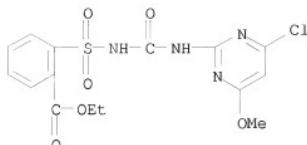
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 90982-32-4

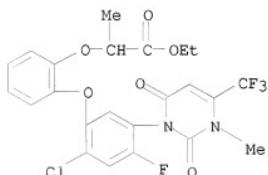
CMF C15 H15 Cl N4 O6 S



RN 532952-34-4 CAPLUS
 CN Benzoic acid, 2-[[[(4-chloro-6-methoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl-, ethyl ester, mixt. with ethyl 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

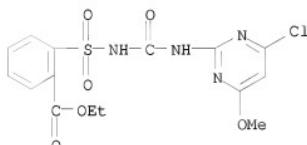
CM 1

CRN 344419-97-2
 CMF C23 H19 Cl F4 N2 O6



CM 2

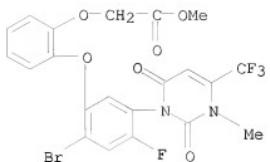
CRN 90982-32-4
 CMF C15 H15 Cl N4 O6 S



RN 532952-37-7 CAPLUS
 CN Benzoic acid, 2-[[[(4-chloro-6-methoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl-, ethyl ester, mixt. with methyl [2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

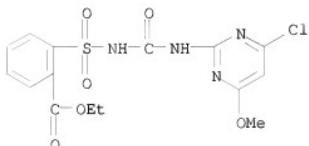
CM 1

CRN 344420-28-6
 CMF C21 H15 Br F4 N2 O6



CM 2

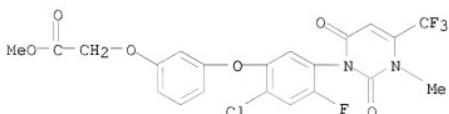
CRN 90982-32-4
CMF C15 H15 Cl N4 O6 S



RN 532952-38-8 CAPLUS
CN Benzoic acid, 2-[[[[(4-chloro-6-methoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-, ethyl ester, mixt. with methyl [3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

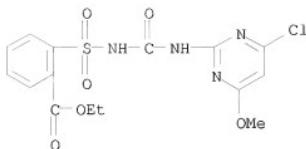
CM 1

CRN 344420-16-2
CMF C21 H15 Cl F4 N2 O6



CM 2

CRN 90982-32-4
CMF C15 H15 Cl N4 O6 S



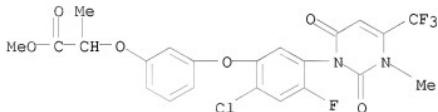
RN 532952-39-9 CAPLUS

CN Benzoic acid, 2-[[[(4-chloro-6-methoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-, ethyl ester, mixt. with methyl 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-90-5

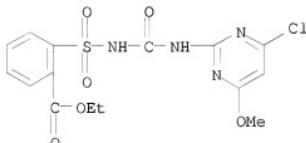
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 90982-32-4

CMF C15 H15 Cl N4 O6 S



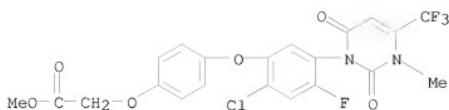
RN 532952-42-4 CAPLUS

CN Benzoic acid, 2-[[[(4-chloro-6-methoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl]-, ethyl ester, mixt. with methyl [4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

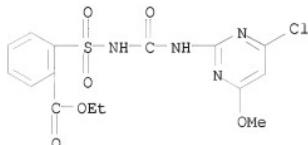
CRN 344420-13-9

CMF C21 H15 Cl F4 N2 O6



CM 2

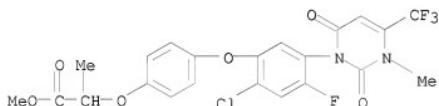
CRN 90982-32-4
CMF C15 H15 Cl N4 O6 S



RN 532952-43-5 CAPLUS
CN Benzoic acid, 2-[[[(4-chloro-6-methoxy-2-pyrimidinyl)amino]carbonyl]amino]sulfonyl-, ethyl ester, mixt. with methyl 2-[4-[2-chloro-5-(3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl)-4-fluorophenoxy]phenoxy]propanate (9CI) (CA INDEX NAME)

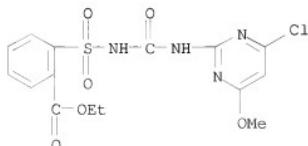
CM 1

CRN 344419-86-9
CMF C22 H17 Cl F4 N2 O6



CM 2

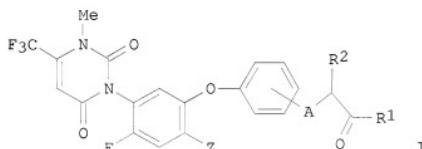
CRN 90982-32-4
CMF C15 H15 Cl N4 O6 S



L3 ANSWER 12 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2003:422154 CAPLUS
 DOCUMENT NUMBER: 139:2381
 TITLE: Synergistic broad-spectrum herbicide compositions and control of weeds with them
 INVENTOR(S): Nishio, Shoichi
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 10 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003160416	A	20030603	JP 2001-363956	20011129
CA 2466725	A1	20030605	CA 2002-2466725	20020426
WO 2003045149	A1	20030605	WO 2002-JP4197	20020426
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002253605	A1	20030610	AU 2002-253605	20020426
EP 1459628	A1	20040922	EP 2002-722810	20020426
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
US 2005153840	A1	20050714	US 2004-496651	20040525
PRIORITY APPLN. INFO.:			JP 2001-363956	A 20011129
			WO 2002-JP4197	W 20020426

OTHER SOURCE(S): MARPAT 139:2381
 GI



AB The compns. contain N-heterocyclic compds. I (Z = halo, cyano; A = O, S, NH; R1 = OH, C1-7 alkoxy, C3-7 alkenyloxy, C3-7 alkynyoxy, C5-7 cycloalkoxy, etc.; R2 = H, Me) and (RS)-5-ethyl-2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)nicotinic acid (imazethapyr) and/or 2-(4-isopropyl-4-methyl-5-oxo-2-imidazolin-2-yl)-5-methoxymethylnicotinic acid (imazamox). Concomitant application of I (A = O, Z = Cl, R1 = OMe, R2 = H) and imazethapyr (Pursuit) at 5 and 80 g/ha, resp., completely

controlled *Cyperus esculentus* and did not damage soybean plants.
Formulation examples of wettable powders and suspensions are given.

IT 532976-28-6 532976-29-7 532976-30-0

532976-31-1 532976-35-5 532976-36-6

532976-37-7 532976-40-2 532976-41-3

532976-44-6 532976-45-7 532976-46-8

532976-47-9 532976-50-4 532976-51-5

532976-52-6 532976-55-9 532976-57-1

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL
(Biological study); USES (Uses)
(synergistic broad-spectrum herbicide compns. containing N-heterocycles and
substituted nicotinic acids for weed control)

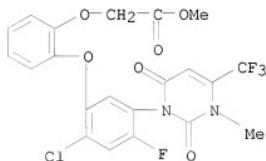
RN 532976-28-6 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-
1H-imidazol-2-yl]-5-ethyl-, mixt. with methyl [2-[2-chloro-5-[3,6-dihydro-
3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-
fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-98-3

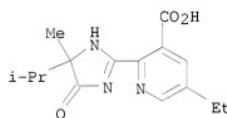
CMF C21 H15 Cl F4 N2 O6



CM 2

CRN 81335-77-5

CMF C15 H19 N3 O3



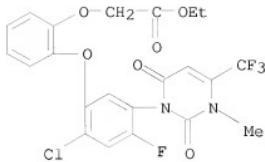
RN 532976-29-7 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-
1H-imidazol-2-yl]-5-ethyl-, mixt. with ethyl [2-[2-chloro-5-[3,6-dihydro-3-
methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-
fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-99-4

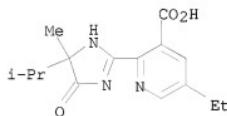
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 81335-77-5

CMF C15 H19 N3 O3



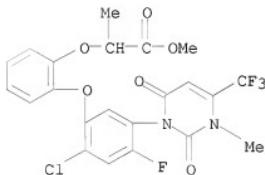
RN 532976-30-0 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-, mixt. with methyl 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-95-0

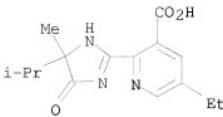
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 81335-77-5

CMF C15 H19 N3 O3



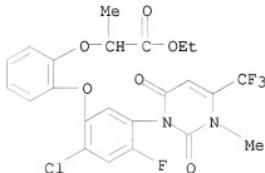
RN 532976-31-1 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-, mixt. with ethyl 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-97-2

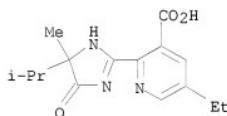
CMF C23 H19 Cl F4 N2 O6



CM 2

CRN 81335-77-5

CMF C15 H19 N3 O3



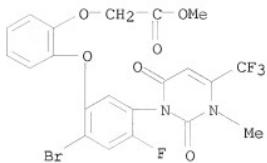
RN 532976-35-5 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-, mixt. with methyl [2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

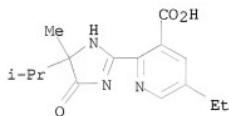
CRN 344420-28-6

CMF C21 H15 Br F4 N2 O6



CM 2

CRN 81335-77-5
CMF C15 H19 N3 O3

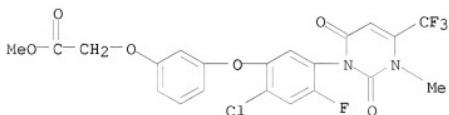


RN 532976-36-6 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-, mixt. with methyl [3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxyacetate (9CI) (CA INDEX NAME)

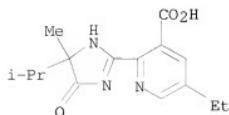
CM 1

CRN 344420-16-2
CMF C21 H15 Cl F4 N2 O6



CM 2

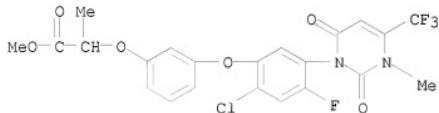
CRN 81335-77-5
CMF C15 H19 N3 O3



RN 532976-37-7 CAPLUS
CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-, mixt. with methyl 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

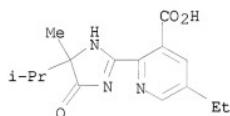
CM 1

CRN 344419-90-5
CMF C22 H17 Cl F4 N2 O6



CM 2

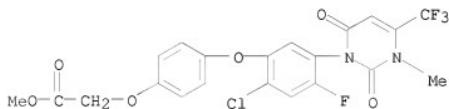
CRN 81335-77-5
CMF C15 H19 N3 O3



RN 532976-40-2 CAPLUS
CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-, mixt. with methyl [4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

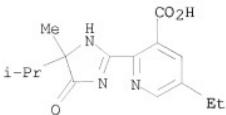
CM 1

CRN 344420-13-9
CMF C21 H15 Cl F4 N2 O6



CM 2

CRN 81335-77-5
CMF C15 H19 N3 O3



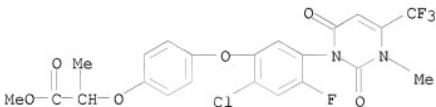
RN 532976-41-3 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-, mixt. with methyl 2-[4-(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxypropanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-86-9

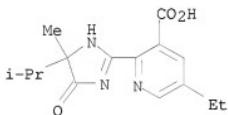
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 81335-77-5

CMF C15 H19 N3 O3



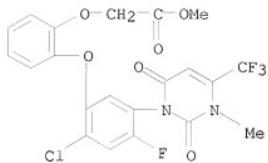
RN 532976-44-6 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(methoxymethyl)-, mixt. with methyl [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxyacetate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-98-3

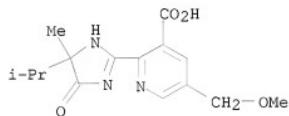
CMF C21 H15 Cl F4 N2 O6



CM 2

CRN 114311-32-9

CMF C15 H19 N3 O4



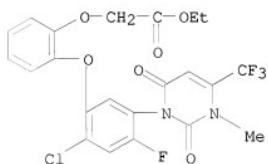
RN 532976-45-7 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(methoxymethyl)-, mixt. with ethyl [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-99-4

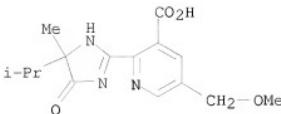
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 114311-32-9

CMF C15 H19 N3 O4



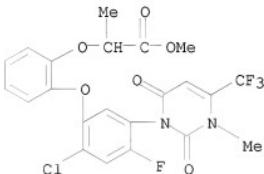
RN 532976-46-8 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(methoxymethyl)-, mixt. with methyl 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-95-0

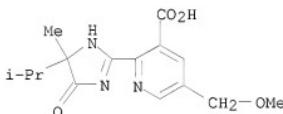
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 114311-32-9

CMF C15 H19 N3 O4



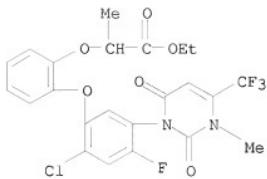
RN 532976-47-9 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(methoxymethyl)-, mixt. with ethyl 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

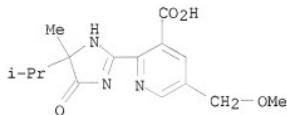
CRN 344419-97-2

CMF C23 H19 Cl F4 N2 O6



CM 2

CRN 114311-32-9
CMF C15 H19 N3 O4

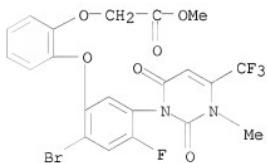


RN 532976-50-4 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(methoxymethyl)-, mixt. with methyl [2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]acetate (9CI) (CA INDEX NAME)

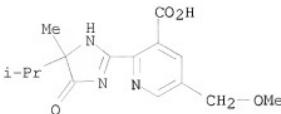
CM 1

CRN 344420-28-6
CMF C21 H15 Br F4 N2 O6



CM 2

CRN 114311-32-9
CMF C15 H19 N3 O4



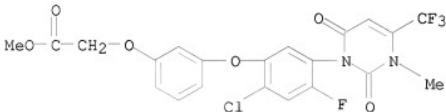
RN 532976-51-5 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(methoxymethyl)-, mixt. with methyl [3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344420-16-2

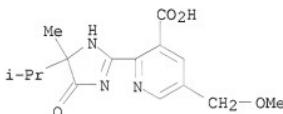
CMF C21 H15 Cl F4 N2 O6



CM 2

CRN 114311-32-9

CMF C15 H19 N3 O4



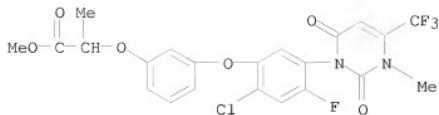
RN 532976-52-6 CAPLUS

CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(methoxymethyl)-, mixt. with methyl [3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

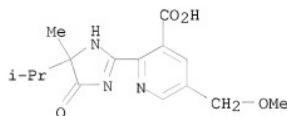
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CM 2

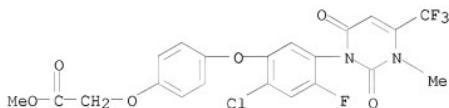
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RN 532976-55-9 CAPLUS
CN 3-Pyridinecarboxylic acid, 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-(methoxymethyl)-, mixt. with methyl [4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

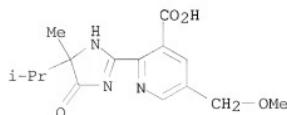
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CRN 344420-13-9
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CM 2

CRN 114311-32-9
CMF C15 H19 N3 O4

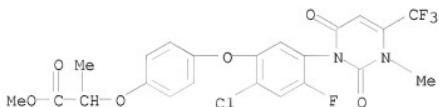


RN 532976-57-1 CAPLUS
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2-[4-{2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}propanoate (9CI) (CA INDEX NAME)

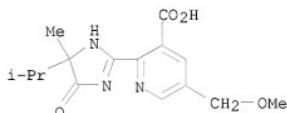
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CRN 344419-86-9
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 114311-32-9
CMF C15 H19 N3 O4



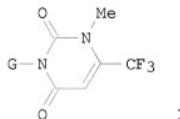
L3 ANSWER 13 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2003:377052 CAPLUS
DOCUMENT NUMBER: 138:380421
TITLE: Microbial herbicide metabolizing proteins, cDNAs, and use in weed control and generation of herbicide-resistant transgenic plants
INVENTOR(S): Nakajima, Hiroki; Mukumoto, Fujio; Takaishi, Masanao
PATENT ASSIGNEE(S): Sumitomo Chemical Company, Ltd., Japan
SOURCE: PCT Int. Appl., 810 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003040370	A1	20030515	WO 2002-JP10789	20021017
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MN, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
JP 2004057194	A	20040226	JP 2002-301292	20021016

CA 2463855	A1	20030515	CA 2002-2463855	20021017
AU 2002336288	A1	20030519	AU 2002-336288	20021017
EP 1457558	A1	20040915	EP 2002-770234	20021017
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
BR 2002013411	A	20050111	BR 2002-13411	20021017
CN 1894408	A	20070110	CN 2002-825642	20021017
US 2005084859	A1	20050421	US 2004-492928	20040419
ZA 2004003806	A	20050603	ZA 2004-3806	20040518
JP 2001-321307 A 20011019				
JP 2002-167239 A 20020607				
WO 2002-JP10789 W 20021017				
PRIORITY APPLN. INFO.:				

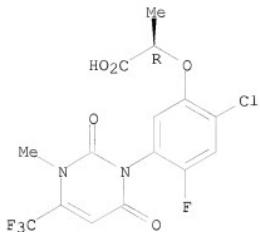
OTHER SOURCE(S):
GI

MARPAT 138:380421



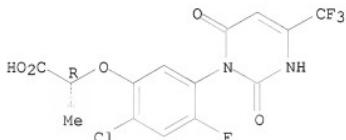
- AB This invention provides cDNAs encoding microbial herbicide metabolizing proteins, capable of converting protoporphyrinogen IX oxidase (PPO) inhibitor type compound, recombinant expression, and use in conferring herbicide-resistance to plants and weed control. The proteins, including ferredoxins, are capable of replacing the 3-Me group of (2R)-2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]propanoic acid with hydrogen in the presence of an electron transfer system. Use of compound represented by the formula I (G = Ph derivs.) for controlling weed growth is claimed. Use of PCR primers and probe hybridization for detecting the genes encoding those proteins, is claimed. Signal sequence, promoter.
- IT 280762-88-1 524938-06-5
 RL: BSU (Biological study, unclassified); BIOL (Biological study)
 (microbial herbicide metabolizing proteins, cDNAs, and use in weed control and generation of herbicide-resistant transgenic plants)
- RN 280762-88-1 CAPLUS
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



RN 524938-06-5 CAPLUS
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 14 THERE ARE 14 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

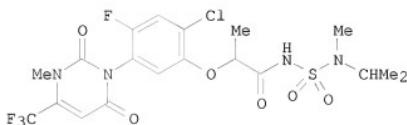
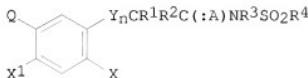
L3 ANSWER 14 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2003:282547 CAPLUS
 DOCUMENT NUMBER: 138:304294
 TITLE: Heterocycl-substituted phenoxyalkyl-, phenylthioalkyl-, phenylaminoalkyl- and phenylalkyl-sulfamoylcarboxamides as herbicides
 INVENTOR(S): Karp, Gary M.; Donovan, Stephen F.; Marinelli, Brett A.; Langevine, Charles M.; Cossette, Michael V.; Guaciaro, Michael A.
 PATENT ASSIGNEE(S): Basf Aktiengesellschaft, Germany
 SOURCE: PCT Int. Appl., 124 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003029226	A1	20030410	WO 2002-EP10758	20020925
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,				

KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES,
FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF,
CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

AU 2002342760 AU 2002-342760 20020925
PRIORITY APPLN. INFO.: A1 20030414 US 2001-325080P P 20010926
WO 2002-EP10758 W 20020925

OTHER SOURCE(S): MARPAT 138:304294
GI



A8 Title compds. I [$A = O, S; X_1 = H, \text{halogen}; n = 0, 1; Y = (\text{un})\text{substituted } O, \text{NH}, \text{CH}_2, \text{S(O)m}; m = 0-2; R = H, \text{alkyl, alkoxyalkyl, (un)substituted } \text{CH}_2\text{Ph}; \text{YR} = \text{CH}_2; \text{R}_1, \text{R}_2 = \text{H, alkyl, halogen; R1R}_2 = \text{CH}_2; \text{R}_3 = \text{H, CN, alkyl, alkoxyalkyl, cycloalkyl, alkenyl, alkynyl, (un)substituted } \text{CH}_2\text{Ph}; \text{R}_4 = (\text{un})\text{substituted NH}_2, \text{alkyl, cycloalkyl, alkenyl, alkynyl, Ph, heterocyclyl, } \text{CH}_2\text{Ph}; Q = (\text{un})\text{substituted N heterocyclic}]$ were prepared. Thus, the sulfamide II was prepared by amidating the acid with $\text{Me}_2\text{CHNMeSO}_2\text{NH}_2$. The carboxylic acid was prepared from $2,4-\text{ClFC}_6\text{H}_3\text{OH}$ by protecting the phenol as the Me carbonate, nitration, deblocking, etherification with $\text{BrCHMeCO}_2\text{Me}$, reduction to the amine, aminolysis of 2-dimethylamino-4-trifluoromethyl-1,3-oxazin-6-one with the resulting 5,2,4-H₂N(Cl)(F)C₆H₂OCHMeCO₂Me, N-methylation of the pyrimidinedione, and ester hydrolysis. II showed herbicidal activity against various weeds in e.g. wheat, pre-emergence at 16 g/ha.

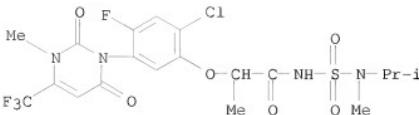
IT 508241-30-3P 508241-31-4P 508241-32-5P
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508241-39-2P 508241-40-5P 508241-41-6P
508241-42-7P 508241-43-8P 508241-44-9P
508241-45-0P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

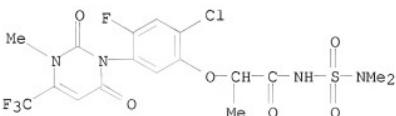
(preparation of heterocyclyl-substituted phenoxyalkyl-, phenylthioalkyl-, phenylaminoalkyl- and phenylalkyl-sulfamoylcarboxamides as herbicides)

BN 508241-30-3 CAPLUS

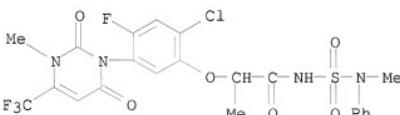
AN 59824-30-3 CAS#5
 CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-[(methyl(1-methylethyl)aminol)sulfonyl] - (CA INDEX NAME)



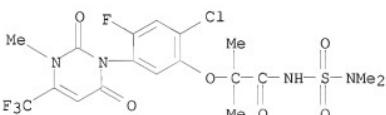
RN 508241-31-4 CAPLUS
 CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-[(dimethylamino)sulfonyl]- (CA INDEX NAME)



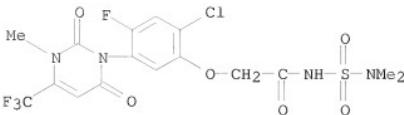
RN 508241-32-5 CAPLUS
 CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-[(methylphenylamino)sulfonyl]- (CA INDEX NAME)



RN 508241-33-6 CAPLUS
 CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-[(dimethylamino)sulfonyl]-2-methyl- (CA INDEX NAME)

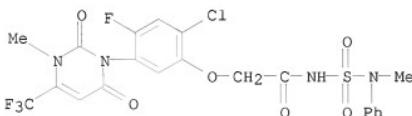


RN 508241-34-7 CAPLUS
 CN Acetanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-[(dimethylamino)sulfonyl]- (CA INDEX NAME)



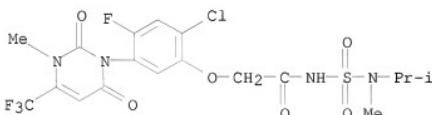
RN 508241-35-8 CAPLUS

CN Acetamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-[(methylphenylamino)sulfonyl]- (CA INDEX NAME)



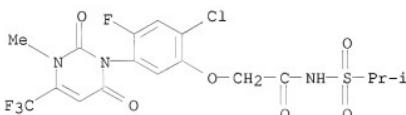
RN 508241-36-9 CAPLUS

CN Acetamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-[(methyl(1-methylethyl)amino)sulfonyl]- (CA INDEX NAME)



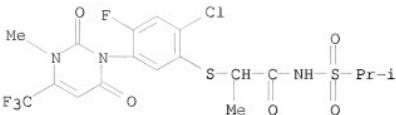
RN 508241-37-0 CAPLUS

CN Acetamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-[(1-methylethyl)sulfonyl]- (CA INDEX NAME)

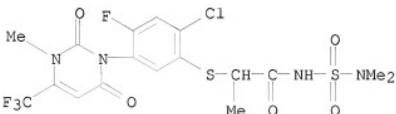


RN 508241-38-1 CAPLUS

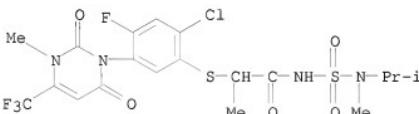
CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-N-[(1-methylethyl)sulfonyl]- (CA INDEX NAME)



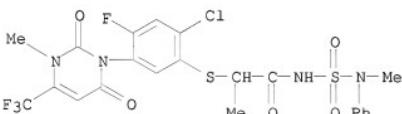
RN 508241-39-2 CAPLUS
 CN Propanamide, 2-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-N-[(dimethylamino)sulfonyl]- (CA INDEX NAME)



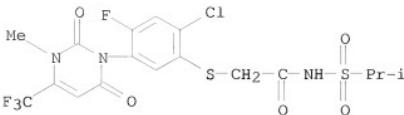
RN 508241-40-5 CAPLUS
 CN Propanamide, 2-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-N-[(methyl(1-methylethyl)amino)sulfonyl]- (CA INDEX NAME)



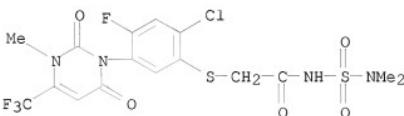
RN 508241-41-6 CAPLUS
 CN Propanamide, 2-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-N-[(methylphenylamino)sulfonyl]- (CA INDEX NAME)



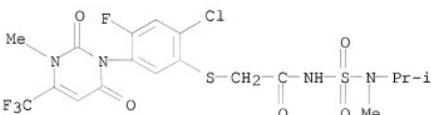
RN 508241-42-7 CAPLUS
 CN Acetanamide, 2-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-N-[(1-methylethyl)sulfonyl]- (CA INDEX NAME)



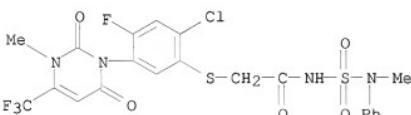
RN 508241-43-8 CAPLUS
 CN Acetamide, 2-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-N-[(dimethylamino)sulfonyl]- (CA INDEX NAME)



RN 508241-44-9 CAPLUS
 CN Acetamide, 2-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-N-[(methyl(1-methylethyl)amino)sulfonyl]- (CA INDEX NAME)

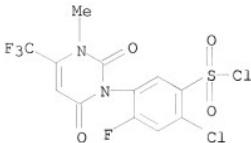


RN 508241-45-0 CAPLUS
 CN Acetamide, 2-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-N-[(methylphenylamino)sulfonyl]- (CA INDEX NAME)



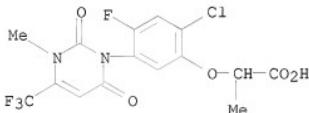
IT 146423-50-9P 303030-46-8P 311810-43-2P
 340247-06-5P 353292-92-9P 508241-62-1P
 508241-63-2P 508241-64-3P 508241-74-5P
 508241-75-6P 508241-77-8P 508241-78-9P
 508241-80-3P 508241-81-4P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of heterocycl-substituted phenoxyalkyl-, phenylthioalkyl-, phenylaminoalkyl- and phenylalkyl-sulfamoylcarboxamides as herbicides)
 RN 146423-50-9 CAPLUS
 CN Benzenesulfonyl chloride, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro- (CA INDEX NAME)



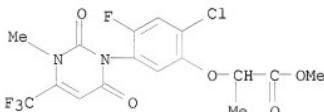
RN 303030-46-8 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



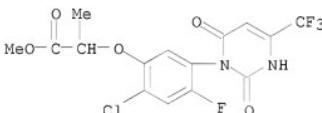
RN 311810-43-2 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester (CA INDEX NAME)



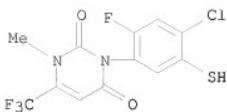
RN 340247-06-5 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester (CA INDEX NAME)

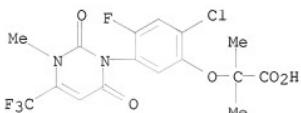


RN 353292-92-9 CAPLUS

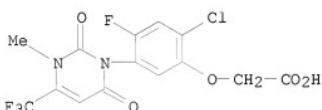
CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-mercaptophenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



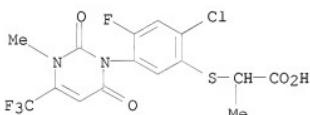
RN 508241-62-1 CAPLUS
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-methyl- (CA INDEX NAME)



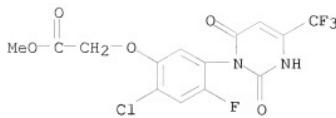
RN 508241-63-2 CAPLUS
 CN Acetic acid, [2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (9CI) (CA INDEX NAME)



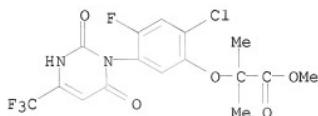
RN 508241-64-3 CAPLUS
 CN Propanoic acid, 2-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio- (CA INDEX NAME)



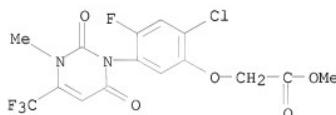
RN 508241-74-5 CAPLUS
 CN Acetic acid, [2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester (9CI) (CA INDEX NAME)



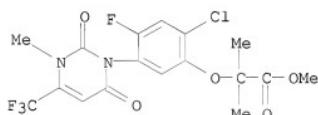
RN 508241-75-6 CAPLUS
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-methyl-, methyl ester (CA INDEX NAME)



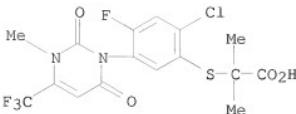
RN 508241-77-8 CAPLUS
 CN Acetic acid, [2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester (9CI) (CA INDEX NAME)



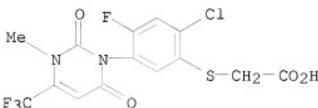
RN 508241-78-9 CAPLUS
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-methyl-, methyl ester (CA INDEX NAME)



RN 508241-80-3 CAPLUS
 CN Propanoic acid, 2-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-2-methyl- (CA INDEX NAME)



RN 508241-81-4 CAPLUS
 CN Acetic acid, [(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]- (9CI) (CA INDEX NAME)



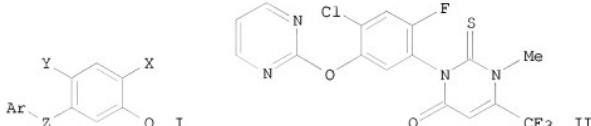
REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 15 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2003:282546 CAPLUS
 DOCUMENT NUMBER: 138:304311
 TITLE: Preparation of azinyl phenyl ethers as herbicides and plant desiccants.
 INVENTOR(S): Gupta, Sandeep; Tsukamoto, Masamitsu; Read, Mark
 PATENT ASSIGNEE(S): Ishihara Sangyo Kaisha, Ltd., Japan
 SOURCE: PCT Int. Appl., 50 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2003029225	A1	20030410	WO 2002-US25963	20020906
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
US 2003130122	A1	20030710	US 2001-1816	20011205
US 6613718	B2	20030902		
CA 2461976	A1	20030410	CA 2002-2461976	20020906
AU 2002331587	A1	20030414	AU 2002-331587	20020906
EP 1432692	A1	20040630	EP 2002-768561	20020906
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK				
BR 2002013023	A	20050118	BR 2002-13023	20020906
HU 2004002295	A2	20050228	HU 2004-2295	20020906

CN 1599727	A	20050323	CN 2002-824000	20020906
JP 2005508929	T	20050407	JP 2003-532475	20020906
MX 2004PA03159	A	20040708	MX 2004-PA3159	20040401
US 2004267014	A1	20041230	US 2004-491337	20040820
PRIORITY APPLN. INFO.:			US 2001-970220	A 20011001
			US 2001-1816	A 20011205
			WO 2002-US25963	W 20020906

OTHER SOURCE(S): MARPAT 138:304311
GI



AB Title compds. [I; X, Y = H, halo, cyano, NO₂, haloalkyl, haloalkoxy; Z = O, S; Q = (substituted) pyrazolyl, imidazolyl, triazolyl, tetrazolyl, pyridazinyl, etc.; Ar = (substituted) aryl, heteroaryl] are prepared. For instance, 4-Chloro-2-fluoro-5-(2-pyrimidinyl)benzenamine is reacted with thiophosgene (EtOAc, Et₃N) to give 2-(2-chloro-4-fluoro-5-isothiocyanato phenoxy)pyrimidine. This intermediate is reacted with Et 4,4,4-trifluoro-3-(methylamino)but-2-enoate (DMF/Toluene, NaH, -50° - -20°) to afford II. Numerous I at 125-500 g/ha preemergent gave 100% control of Amaranthus retroflexus, Abutilon theophrasti, etc.

IT 507448-61-5P, 3-[4-Chloro-2-fluoro-5-(2-pyrimidinyl)phenyl]-2,3-dihydro-1-methyl-2-thioxo-6-(trifluoromethyl)-4(1H)-pyrimidinone

507448-81-9P 507448-82-0P 507448-83-1P

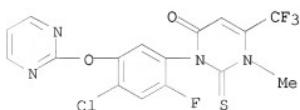
507448-84-2P 507448-85-3P 507448-86-4P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of azinyl Ph ethers as herbicides and plant desiccants)

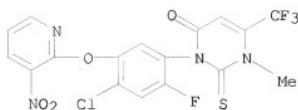
RN 507448-61-5 CAPLUS

CN 4(1H)-Pyrimidinone, 3-[4-chloro-2-fluoro-5-(2-pyrimidinyl)phenyl]-2,3-dihydro-1-methyl-2-thioxo-6-(trifluoromethyl)- (CA INDEX NAME)

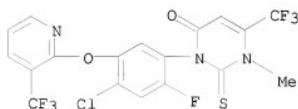


RN 507448-81-9 CAPLUS

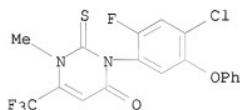
CN 4(1H)-Pyrimidinone, 3-[4-chloro-2-fluoro-5-[(3-nitro-2-pyridinyl)oxy]phenyl]-2,3-dihydro-1-methyl-2-thioxo-6-(trifluoromethyl)- (CA INDEX NAME)



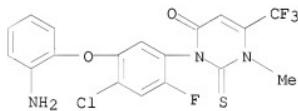
RN 507448-82-0 CAPLUS
 CN 4(1H)-Pyrimidinone, 3-[4-chloro-2-fluoro-5-[(3-(trifluoromethyl)-2-pyridinyl)oxy]phenyl]-2,3-dihydro-1-methyl-2-thioxo-6-(trifluoromethyl)- (CA INDEX NAME)



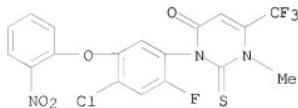
RN 507448-83-1 CAPLUS
 CN 4(1H)-Pyrimidinone, 3-(4-chloro-2-fluoro-5-phenoxyphenyl)-2,3-dihydro-1-methyl-2-thioxo-6-(trifluoromethyl)- (CA INDEX NAME)



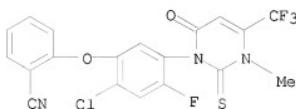
RN 507448-84-2 CAPLUS
 CN 4(1H)-Pyrimidinone, 3-[5-(2-aminophenoxy)-4-chloro-2-fluorophenyl]-2,3-dihydro-1-methyl-2-thioxo-6-(trifluoromethyl)- (CA INDEX NAME)



RN 507448-85-3 CAPLUS
 CN 4(1H)-Pyrimidinone, 3-[4-chloro-2-fluoro-5-(2-nitrophenoxy)phenyl]-2,3-dihydro-1-methyl-2-thioxo-6-(trifluoromethyl)- (CA INDEX NAME)



RN 507448-86-4 CAPLUS
CN Benzonitrile, 2-[2-chloro-5-[3,6-dihydro-3-methyl-6-oxo-2-thioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



REFERENCE COUNT: 2 THERE ARE 2 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 16 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:274723 CAPLUS

DOCUMENT NUMBER: 138:282788

TITLE: Synergistic herbicide compositions containing pyrimidinediones and oxyfluorfen

INVENTOR(S): Mito, Nobuaki; Shibuya, Shinsuke

PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 8 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent
LANGUAGE: Japanese

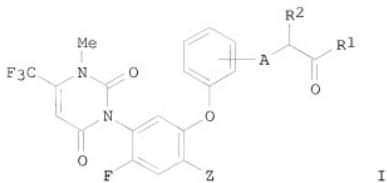
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003104810	A	20030409	JP 2001-300872	20010928
CA 2461548	A1	20030410	CA 2002-2461548	20020426
WO 2003028464	A1	20030410	WO 2002-JP4195	20020426
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002253603	A1	20030414	AU 2002-253603	20020426
EP 1430777	A1	20040623	EP 2002-722808	20020426
EP 1430777	B1	20070425		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
ES 2286249	T3	20071201	ES 2002-2722808	20020426
US 2004198607	A1	20041007	US 2004-490702	20040325
PRIORITY APPLN. INFO.:			JP 2001-300872	A 20010928
			WO 2002-JP4195	W 20020426

OTHER SOURCE(S): MARPAT 138:282788

GI



AB The compns. contain pyrimidinediones I ($Z = \text{halo, cyano}$; $A = O, S, \text{NH}$; $R1 = \text{OH, Cl-7 alkoxy, C3-7 alkenyloxy, etc.}; R2 = H, Me) and oxyfluorfen (II). The compns. are broad-spectrum herbicides, useful for orchards and uncultivated fields. An emulsion containing o-I ($Z = \text{Cl}$, $A = O$, $R1 = \text{OMe}$, $R2 = H$) and II was applied to *Cassia obtusifolia* at 20 and 500 g/ha, resp., to show 90% control, vs. 40% or 30%, for I or II alone, resp.$

IT 506425-91-8 506425-92-9 506425-93-0
506425-94-1 506425-97-4 506425-98-5
506425-99-6 506426-02-4 506426-03-5

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(synergistic herbicides containing pyrimidinediones and oxyfluorfen)

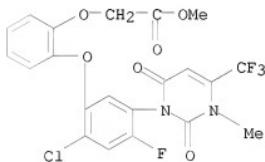
RN 506425-91-8 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1-(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with 2-chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene (9CI) (CA INDEX NAME)

CM 1

CRN 344419-98-3

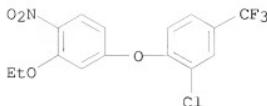
CMF C21 H15 Cl F4 N2 O6



CM 2

CRN 42874-03-3

CMF C15 H11 Cl F3 N O4



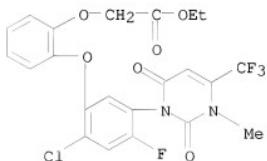
RN 506425-92-9 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester, mixt. with 2-chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene (9CI) (CA INDEX NAME)

CM 1

CRN 344419-99-4

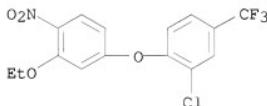
CMF C22 H17 Cl F1 F4 N2 O6



CM 2

CRN 42874-03-3

CMF C15 H11 Cl F3 N O4



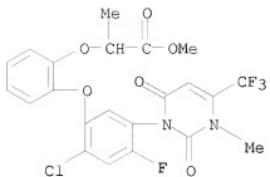
RN 506425-93-0 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with 2-chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene (9CI) (CA INDEX NAME)

CM 1

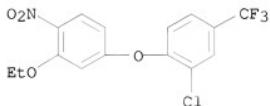
CRN 344419-95-0

CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 42874-03-3
CMF C15 H11 Cl F3 N O4

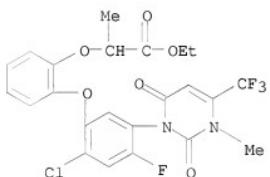


RN 506425-94-1 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester, mixt. with 2-chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene (9CI) (CA INDEX NAME)

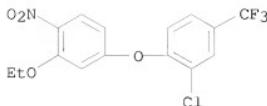
CM 1

CRN 344419-97-2
CMF C23 H19 Cl F4 N2 O6



CM 2

CRN 42874-03-3
CMF C15 H11 Cl F3 N O4



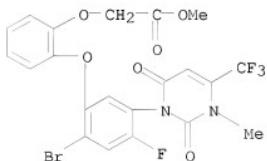
RN 506425-97-4 CAPLUS

CN Acetic acid, [2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with 2-chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene (9CI) (CA INDEX NAME)

CM 1

CRN 344420-28-6

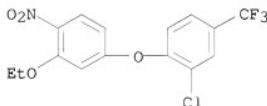
CMF C21 H15 Br F4 N2 O6



CM 2

CRN 42874-03-3

CMF C15 H11 Cl F3 N O4



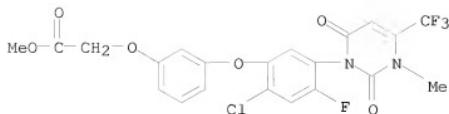
RN 506425-98-5 CAPLUS

CN Acetic acid, [3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with 2-chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene (9CI) (CA INDEX NAME)

CM 1

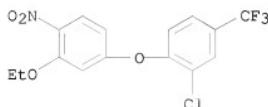
CRN 344420-16-2

CMF C21 H15 Cl F4 N2 O6



CM 2

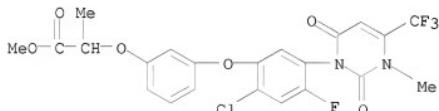
CRN 42874-03-3
CMF C15 H11 Cl F3 N O4



RN 506425-99-6 CAPLUS
CN Propanoic acid, 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with 2-chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene (9CI) (CA INDEX NAME)

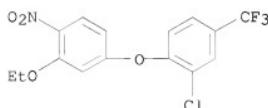
CM 1

CRN 344419-90-5
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 42874-03-3
CMF C15 H11 Cl F3 N O4

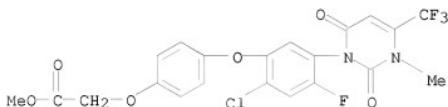


RN 506426-02-4 CAPLUS
CN Acetic acid, [4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl

ester, mixt. with 2-chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene (9CI) (CA INDEX NAME)

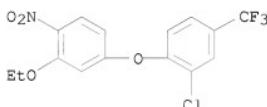
CM 1

CRN 344420-13-9
CMF C21 H15 Cl F4 N2 O6



CM 2

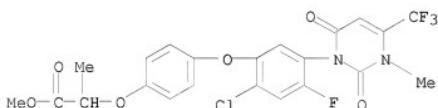
CRN 42874-03-3
CMF C15 H11 Cl F3 N O4



RN 506426-03-5 CAPLUS
CN Propanoic acid, 2-[4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with 2-chloro-1-(3-ethoxy-4-nitrophenoxy)-4-(trifluoromethyl)benzene (9CI) (CA INDEX NAME)

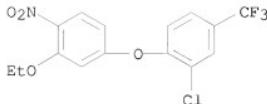
CM 1

CRN 344419-86-9
CMF C22 H17 Cl F4 N2 O6



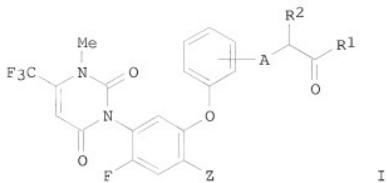
CM 2

CRN 42874-03-3
CMF C15 H11 Cl F3 N O4



L3 ANSWER 17 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2003:271643 CAPLUS
 DOCUMENT NUMBER: 138:282787
 TITLE: Synergistic herbicide compositions containing
 pyrimidinediones and flumioxazin or sulfentrazone
 INVENTOR(S): Mito, Nobuaki; Shibuya, Shinsuke
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003104809	A	20030409	JP 2001-300862	20010928
CA 2461547	A1	20030410	CA 2002-2461547	20020426
WO 2003028463	A1	20030410	WO 2002-JP4194	20020426
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2002253602	A1	20030414	AU 2002-253602	20020426
EP 1430776	A1	20040623	EP 2002-722807	20020426
R: AI, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
US 2004235661	A1	20041125	US 2004-490701	20040325
US 7205260	B2	20070417		
US 2007042908	A1	20070222	US 2006-552055 JP 2001-300862 WO 2002-JP4194 US 2004-490701	20061023 A 20010928 W 20020426 A3 20040325
PRIORITY APPLN. INFO.:				
OTHER SOURCE(S): GI		MARPAT 138:282787		



AB The compns. contain pyrimidinediones I ($Z = \text{halo, cyano; } A = O, S, \text{NH}; R1 = OH, Cl-7 \text{ alkoxy, C3-7 alkenyloxy, etc.; } R2 = H, Me$) and ≥ 1 compds. chosen from flumioxazin (II) and sulfentrazone. The compns. are broad-spectrum herbicides, useful for orchards, soybean fields, and uncultivated fields. An emulsion containing o-I ($Z = Cl, A = O, R1 = OMe, R2 = H$) and II was applied to *Bracharia platyphylla* at 20 and 100 g/ha, resp., to show 90% weed control without damage on soybean.

IT 506424-83-5 506424-86-8 506424-90-4

506424-93-7 506424-99-3 506425-01-0

506425-04-3 506425-13-4 506425-14-5

506425-18-9 506425-19-0 506425-20-3

506425-21-4 506425-24-7 506425-25-8

506425-26-9 506425-29-2 506425-30-5

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
(synergistic herbicides containing pyrimidinediones and flumioxazin or sulfentrazone)

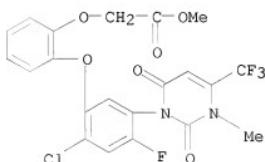
RN 506424-83-5 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with 2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propynyl)-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H-isoindole-1,3(2H)-dione (9CI) (CA INDEX NAME)

CM 1

CRN 344419-98-3

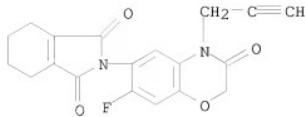
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CM 2

CRN 103361-09-7

CMF C19 H15 F N2 O4



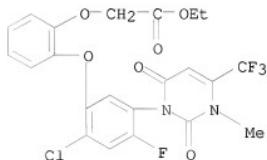
RN 506424-86-8 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester, mixt. with 2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propynyl)-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H-isoindole-1,3(2H)-dione (9CI) (CA INDEX NAME)

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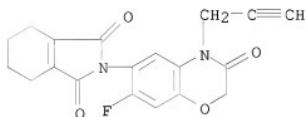
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CM 2

CRN 103361-09-7

CMF C19 H15 F N2 O4



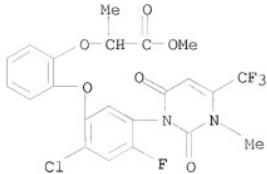
RN 506424-90-4 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with 2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propynyl)-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H-isoindole-1,3(2H)-dione (9CI) (CA INDEX NAME)

CM 1

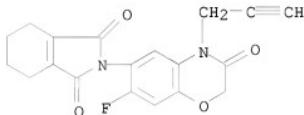
CRN 344419-95-0

CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 103361-09-7
CMF C19 H15 F N2 O4

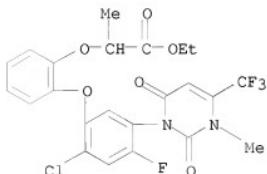


RN 506424-93-7 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2H-1,4-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester, mixt. with 2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propynyl)-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H-isoindole-1,3(2H)-dione (9CI) (CA INDEX NAME)

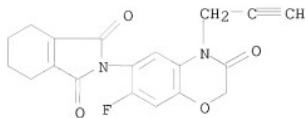
CM 1

CRN 344419-97-2
CMF C23 H19 Cl F4 N2 O6



CM 2

CRN 103361-09-7
CMF C19 H15 F N2 O4



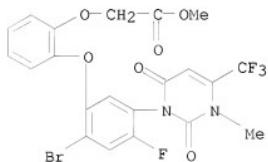
RN 506424-99-3 CAPLUS

CN Acetic acid, [2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with 2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propynyl)-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H-isoindole-1,3(2H)-dione (9CI) (CA INDEX NAME)

CM 1

CRN 344420-28-6

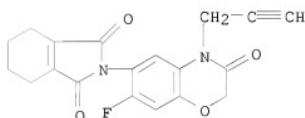
CMF C21 H15 Br F4 N2 O6



CM 2

CRN 103361-09-7

CMF C19 H15 F N2 O4



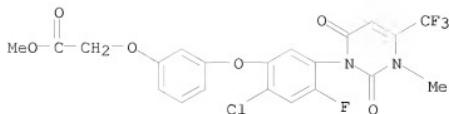
RN 506425-01-0 CAPLUS

CN Acetic acid, [3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with 2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propynyl)-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H-isoindole-1,3(2H)-dione (9CI) (CA INDEX NAME)

CM 1

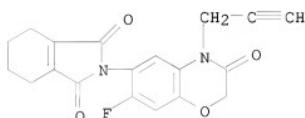
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CMF C21 H15 Cl F4 N2 O6



CM 2

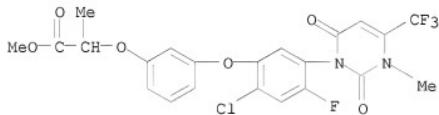
CRN 103361-09-7
CMF C19 H15 F N2 O4



RN 506425-04-3 CAPLUS
CN Propanoic acid, 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with 2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propynyl)-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H-isoindole-1,3(2H)-dione (9CI) (CA INDEX NAME)

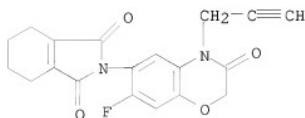
CM 1

CRN 344419-90-5
CMF C22 H17 Cl F4 N2 O6



CM 2

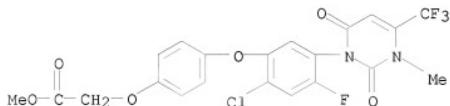
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CMF C19 H15 F N2 O4



RN 506425-13-4 CAPLUS
CN Acetic acid, [4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with 2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propynyl)-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H-isoindole-1,3(2H)-dione (9CI) (CA INDEX NAME)

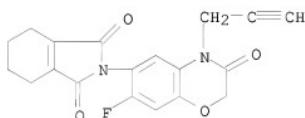
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CMF C21 H15 Cl F4 N2 O6



CM 2

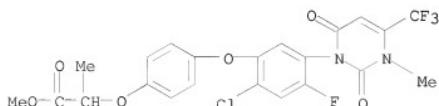
CRN 103361-09-7
CMF C19 H15 F N2 O4



RN 506425-14-5 CAPLUS
CN Propanoic acid, 2-[4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with 2-[7-fluoro-3,4-dihydro-3-oxo-4-(2-propynyl)-2H-1,4-benzoxazin-6-yl]-4,5,6,7-tetrahydro-1H-isoindole-1,3(2H)-dione (9CI) (CA INDEX NAME)

CM 1

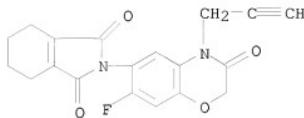
CRN 344419-86-9
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 103361-09-7

CMF C19 H15 F N2 Q4



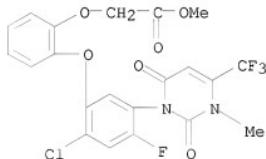
RN 506425-18-9 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1-(2H-pyrimidinyl)-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with N-[2-(4-dichloro-5'-[4-(difluoromethyl)-4,5-dihydro-3-methyl-1-oxo-1H-1,2,4-triazol-1-yl]phenyl)methanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 344419-98-3

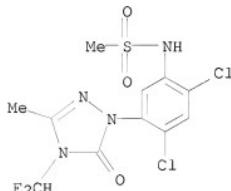
CMF C21 H15 C1 F4 N2 O6



CM 2

CRN 122836-35-5

CMF C11 H10 C12 F2 N4 O3 S



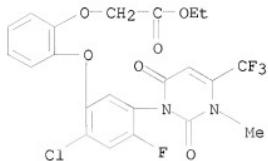
RN 506425-19-0 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1-(2H-pyridinyl)-4-fluorophenoxy]phenoxy]-, ethyl ester, mixt. with N-[2-(4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-1-oxo-1H-1,2,4-triazol-1-yl]phenyl]methanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 344419-99-4

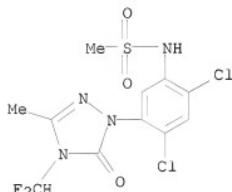
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 122836-35-5

CMF C11 H10 Cl2 F2 N4 O3 S



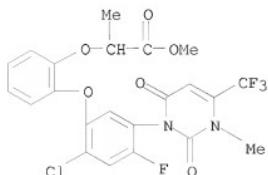
RN 506425-20-3 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy-, methyl ester, mixt. with N-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]methanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 344419-95-0

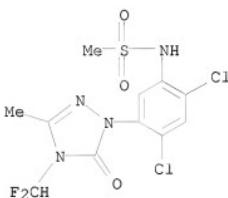
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 122836-35-5

CMF C11 H10 C12 F2 N4 Q3 S



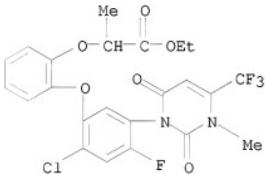
BN 506425-21-4 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester, mixt. with N-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]methanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 344419-97-2

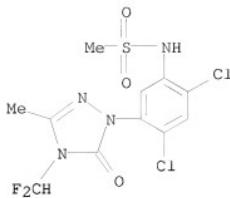
CMF C23 H19 C1 F4 N2 O6



CM 2

CRN 122836-35-5

CMF C11 H10 C12 F2 N4 O3 S



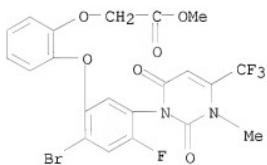
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CN Acetic acid, [2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with N-[2,4-dichloro-5-{4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl}phenyl]methanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 344420-28-6

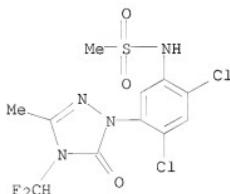
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CM 2

CRN 122836-35-5

CMF C11 H10 Cl2 F2 N4 O3 S



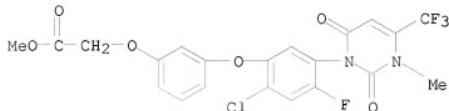
RN 506425-25-8 CAPLUS

CN Acetic acid, [3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with N-[2,4-dichloro-5-{4-(difluoromethyl)-4,5-dihydro-3-

methyl-5-oxo-1H-1,2,4-triazol-1-ylphenyl]methanesulfonamide (9CI) (CA INDEX NAME)

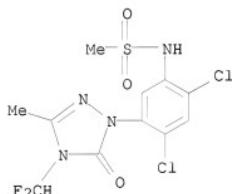
CM 1

CRN 344420-16-2
CMF C21 H15 Cl F4 N2 O6



CM 2

CRN 122836-35-5
CMF C11 H10 Cl2 F2 N4 O3 S

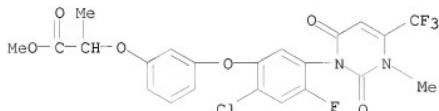


RN 506425-26-9 CAPLUS

CN Propanoic acid, 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt, with N-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]methanesulfonamide (9CI) (CA INDEX NAME)

CM 1

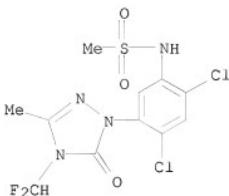
CRN 344419-90-5
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 122836-35-5

CMF C11 H10 Cl2 F2 N4 O3 S



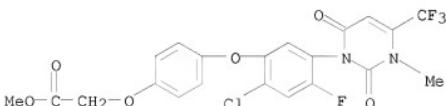
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CN Acetic acid, [4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with N-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]methanesulfonamide (9CI) (CA INDEX NAME)

CM 1

CRN 344420-13-9

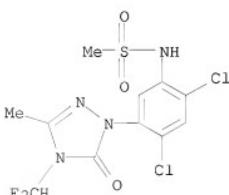
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CM 2

CRN 122836-35-5

CMF C11 H10 Cl2 F2 N4 O3 S



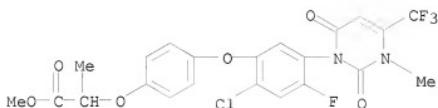
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CN Propanoic acid, 2-[4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester, mixt. with N-[2,4-dichloro-5-[4-(difluoromethyl)-4,5-dihydro-3-methyl-5-oxo-1H-1,2,4-triazol-1-yl]phenyl]methanesulfonamide (9CI) (CA INDEX NAME)

INDEX NAME)

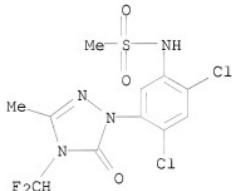
CM 1

CRN 344419-86-9
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 122836-35-5
CMF C11 H10 Cl2 F2 N4 O3 S



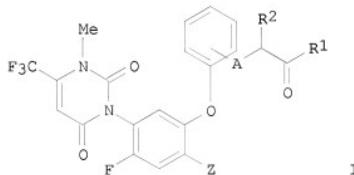
L3 ANSWER 18 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2003:271642 CAPLUS
DOCUMENT NUMBER: 138:282786
TITLE: Synergistic herbicide compositions containing pyrimidinedione derivatives and glyphosate, its salts, or glufosinate-ammonium
INVENTOR(S): Mito, Nobuaki; Shibuya, Shinsuke
PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003104808	A	20030409	JP 2001-300861	20010928
CA 2461546	A1	20030410	CA 2002-2461546	20020426
WO 2003028462	A1	20030410	WO 2002-JP4193	20020426
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG,				

US, UZ, VN, YU, ZA, ZM, ZW
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY,
 KG, KZ, MD, RU, TJ, TM, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB,
 GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA,
 GN, GO, GW, ML, MR, NE, SN, TD, TG
 AU 2002251552 A1 20030414 AU 2002-251552 20020426
 EP 1430775 A1 20040623 EP 2002-720617 20020426
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
 IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
 US 2004204318 A1 20041014 US 2004-490700 20040325
 PRIORITY APPLN. INFO.: JP 2001-300861 A 20010928
 WO 2002-JP4193 W 20020426

OTHER SOURCE(S):
GI

MARPAT 138:282786



AB Highly effective, broad-spectrum herbicides that do not cause injury to crops contain I (Z = halo, cyano; A = O, S, NH; R1 = OH, C1-7 alkoxy, C3-7 alklenoxy, etc.; R2 = H, Me) and ≥1 compound chosen from glyphosate, its salts, or glufosinate-ammonium. Thus, a mixture containing I (A = O, Z = Cl, R1 = OMe, R2 = H) 20 and glufosinate-ammonium 100 g/ha synergistically controlled weeds with no damage to corn, soybean, or cotton. Formulation examples are given.

IT
 506443-64-7 506443-65-8 506443-66-9
 506443-67-0 506443-68-1 506443-69-2
 506443-70-5 506443-71-6 506443-72-7
 506443-73-8 506443-74-9 506443-75-0
 506443-76-1 506443-84-1 506443-85-2
 506443-86-3 506443-87-4 506443-88-5
 506443-89-6 506443-90-9 506443-92-1
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 506444-07-1

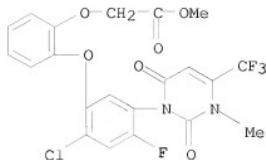
RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)
 (broad-spectrum synergistic herbicide)

RN 506443-64-7 CAPLUS
CN Glycine, N-(phosphonomethyl)-, compd. with 2-propanamine (1:1), mixt. with methyl [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxyacetate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-98-3

CMF C21 H15 Cl F4 N2 O6



CM 2

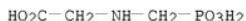
CRN 38641-94-0

CMF C3 H9 N . C3 H8 N O5 P

CM 3

CRN 1071-83-6

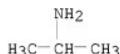
CMF C3 H8 N O5 P



CM 4

CRN 75-31-0

CMF C3 H9 N



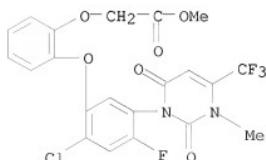
RN 506443-65-8 CAPLUS

CN Butanoic acid, 2-amino-4-(hydroxymethylphosphinyl)-, monoammonium salt, mixt. with methyl [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

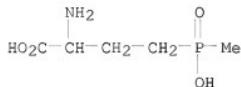
CRN 344419-98-3

CMF C21 H15 Cl F4 N2 O6



CM 2

CRN 77182-82-2
CMF C5 H12 N O4 P . H3 N

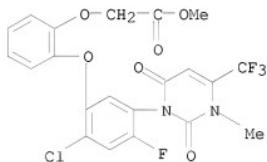


● NH₃

RN 506443-66-9 CAPLUS
CN Glycine, N-(phosphonomethyl)-, mixt. with methyl [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-98-3
CMF C21 H15 Cl F4 N2 O6



CM 2

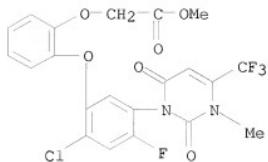
CRN 1071-83-6
CMF C3 H8 N O5 P

HO₂C—CH₂—NH—CH₂—PO₃H₂

RN 506443-67-0 CAPLUS
CN Glycine, N-(phosphonomethyl)-, monoammonium salt, mixt. with methyl [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-98-3
CMF C21 H15 Cl F4 N2 O6



CM 2

CRN 40465-66-5
CMF C3 H8 N O5 P . H3 N

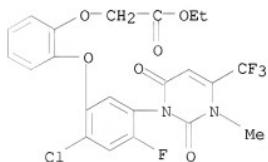


● NH3

RN 506443-68-1 CAPLUS
CN Butanoic acid, 2-amino-4-(hydroxymethylphosphinyl)-, monoammonium salt,
mixt. with ethyl [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-
(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]acetate (9CI)
(CA INDEX NAME)

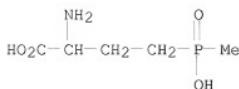
CM 1

CRN 344419-99-4
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 77182-82-2
CMF C5 H12 N O4 P . H3 N



● NH3

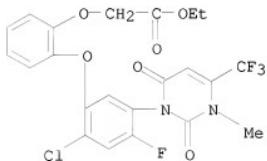
RN 506443-69-2 CAPLUS

CN Glycine, N-(phosphonomethyl)-, mixt. with ethyl [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-99-4

CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 1071-83-6

CMF C3 H8 N O5 P

$\text{HO}_2\text{C}-\text{CH}_2-\text{NH}-\text{CH}_2-\text{PO}_3\text{H}_2$

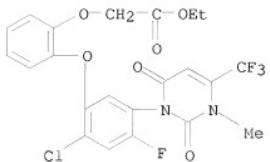
RN 506443-70-5 CAPLUS

CN Glycine, N-(phosphonomethyl)-, monoammonium salt, mixt. with ethyl [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-99-4

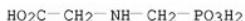
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 40465-66-5

CMF C3 H8 N O5 P . H3 N



● NH3

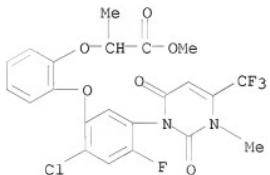
RN 506443-71-6 CAPLUS

CN Butanoic acid, 2-amino-4-(hydroxymethylphosphinyl)-, monoammonium salt,
mixt. with methyl 2-[2-(2-chloro-5-(3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl)-4-fluorophenoxy]propanoate
(9CI) (CA INDEX NAME)

CM 1

CRN 344419-95-0

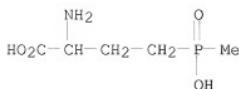
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 77182-82-2

CMF C5 H12 N O4 P . H3 N



● NH3

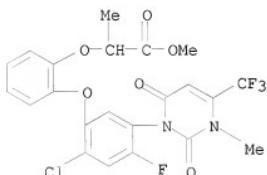
RN 506443-72-7 CAPLUS

CN Glycine, N-(phosphonomethyl)-, mixt. with methyl 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-95-0

CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 1071-83-6

CMF C3 H8 N O5 P

$\text{HO}_2\text{C}-\text{CH}_2-\text{NH}-\text{CH}_2-\text{PO}_3\text{H}_2$

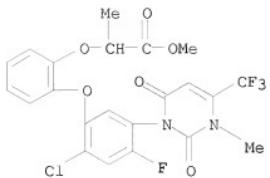
RN 506443-73-8 CAPLUS

CN Glycine, N-(phosphonomethyl)-, monoammonium salt, mixt. with methyl 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-95-0

CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 40465-66-5
CMF C3 H8 N O5 P . H3 N

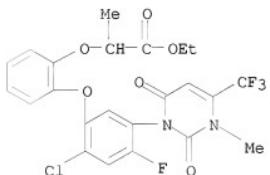
HO₂C—CH₂—NH—CH₂—PO₃H₂

● NH₃

RN 506443-74-9 CAPLUS
CN Butanoic acid, 2-amino-4-(hydroxymethylphosphinyl)-, monoammonium salt,
mixt. with ethyl 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]propanoate
(9CI) (CA INDEX NAME)

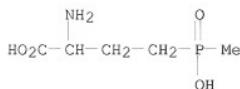
CM 1

CRN 344419-97-2
CMF C23 H19 Cl F4 N2 O6



CM 2

CRN 77182-82-2
CMF C5 H12 N O4 P . H3 N



● NH3

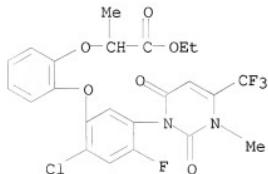
RN 506443-75-0 CAPLUS

CN Glycine, N-(phosphonomethyl)-, mixt. with ethyl 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-97-2

CMF C23 H19 Cl F4 N2 O6



CM 2

CRN 1071-83-6

CMF C3 H8 N O5 P

$\text{HO}_2\text{C}-\text{CH}_2-\text{NH}-\text{CH}_2-\text{PO}_3\text{H}_2$

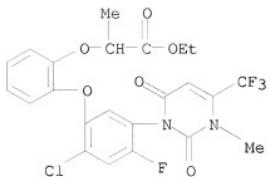
RN 506443-76-1 CAPLUS

CN Glycine, N-(phosphonomethyl)-, monoammonium salt, mixt. with ethyl 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-97-2

CMF C23 H19 Cl F4 N2 O6



CM 2

CRN 40465-66-5
CMF C3 H8 N O5 P . H3 N

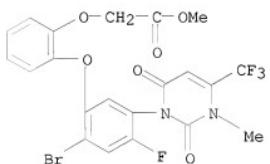
HO2C—CH2—NH—CH2—PO3H2

● NH3

RN 506443-84-1 CAPLUS
CN Butanoic acid, 2-amino-4-(hydroxymethylphosphinyl)-, monoammonium salt,
mixt. with methyl [2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-
(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]acetate (9CI)
(CA INDEX NAME)

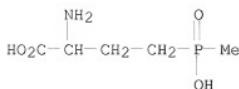
CM 1

CRN 344420-28-6
CMF C21 H15 Br F4 N2 O6



CM 2

CRN 77182-82-2
CMF C5 H12 N O4 P . H3 N



● NH3

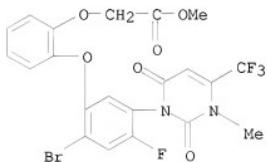
RN 506443-85-2 CAPLUS

CN Glycine, N-(phosphonomethyl)-, mixt. with methyl [2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344420-28-6

CMF C21 H15 Br F4 N2 O6



CM 2

CRN 1071-83-6

CMF C3 H8 N O5 P

$\text{HO}_2\text{C} - \text{CH}_2 - \text{NH} - \text{CH}_2 - \text{PO}_3\text{H}_2$

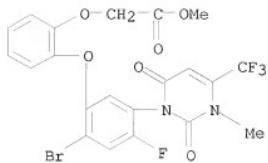
RN 506443-86-3 CAPLUS

CN Glycine, N-(phosphonomethyl)-, monoammonium salt, mixt. with methyl [2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344420-28-6

CMF C21 H15 Br F4 N2 O6



CM 2

CRN 40465-66-5
CMF C3 H8 N O5 P . H3 N

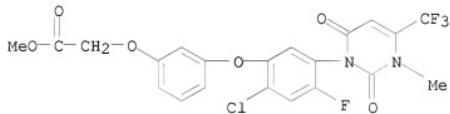


● NH3

RN 506443-87-4 CAPLUS
CN Butanoic acid, 2-amino-4-(hydroxymethylphosphinyl)-, monoammonium salt,
mixt. with methyl [3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-
(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI)
(CA INDEX NAME)

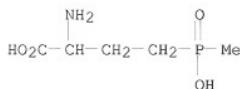
CM 1

CRN 344420-16-2
CMF C21 H15 Cl F4 N2 O6



CM 2

CRN 77182-82-2
CMF C5 H12 N O4 P . H3 N



● NH3

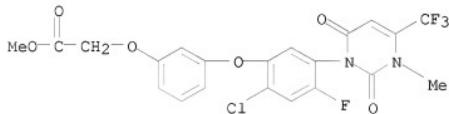
RN 506443-88-5 CAPLUS

CN Glycine, N-(phosphonomethyl)-, mixt. with methyl [3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344420-16-2

CMF C21 H15 Cl F4 N2 O6



CM 2

CRN 1071-83-6

CMF C3 H8 N O5 P

$\text{HO}_2\text{C}-\text{CH}_2-\text{NH}-\text{CH}_2-\text{PO}_3\text{H}_2$

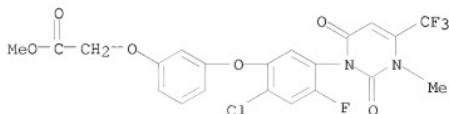
RN 506443-89-6 CAPLUS

CN Glycine, N-(phosphonomethyl)-, monoammonium salt, mixt. with methyl [3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344420-16-2

CMF C21 H15 Cl F4 N2 O6



CM 2

CRN 40465-66-5
CMF C3 H8 N O5 P . H3 N

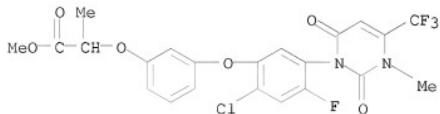


● NH3

RN 506443-90-9 CAPLUS
CN Butanoic acid, 2-amino-4-(hydroxymethylphosphinyl)-, monoammonium salt,
mixt. with methyl 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-
(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate
(9CI) (CA INDEX NAME)

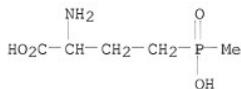
CM 1

CRN 344419-90-5
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 77182-82-2
CMF C5 H12 N O4 P . H3 N

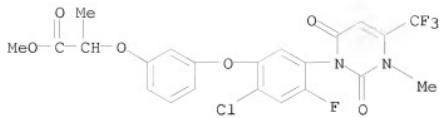


● NH3

RN 506443-92-1 CAPLUS
CN Glycine, N-(phosphonomethyl)-, mixt. with methyl 2-[3-[2-chloro-5-[3,6-
dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-
fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-90-5
CMF C22 H17 Cl F4 N2 O6



CM 2

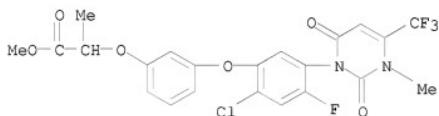
CRN 1071-83-6
CMF C3 H8 N O5 P

HO2C-CH2-NH-CH2-PO3H2

RN 506443-93-2 CAPLUS
CN Glycine, N-(phosphonomethyl)-, monoammonium salt, mixt. with methyl 2-[3-{2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-90-5
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 40465-66-5
CMF C3 H8 N O5 P . H3 N

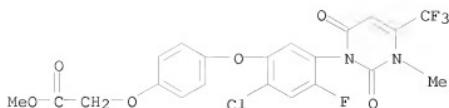
HO2C-CH2-NH-CH2-PO3H2

● NH3

RN 506444-02-6 CAPLUS
CN Butanoic acid, 2-amino-4-(hydroxymethylphosphinyl)-, monoammonium salt, mixt. with methyl [4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]acetate (9CI) (CA INDEX NAME)

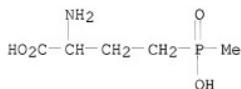
CM 1

CRN 344420-13-9
CMF C21 H15 Cl F4 N2 O6



CM 2

CRN 77182-82-2
CMF C5 H12 N O4 P . H3 N

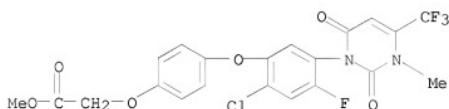


● NH3

RN 506444-03-7 CAPLUS
CN Glycine, N-(phosphonomethyl)-, mixt. with methyl [4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344420-13-9
CMF C21 H15 Cl F4 N2 O6



CM 2

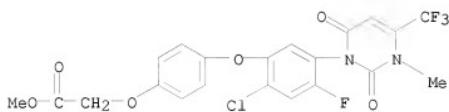
CRN 1071-83-6
CMF C3 H8 N O5 P



RN 506444-04-8 CAPLUS
CN Glycine, N-(phosphonomethyl)-, monoammonium salt, mixt. with methyl [4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetate (9CI) (CA INDEX NAME)

CM 1

CRN 344420-13-9
CMF C21 H15 Cl F4 N2 O6



CM 2

CRN 40465-66-5
CMF C3 H8 N O5 P . H3 N

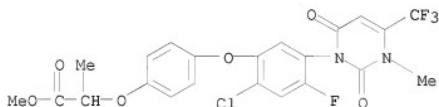


● NH₃

RN 506444-05-9 CAPLUS
CN Butanide acid, 2-amino-4-(hydroxymethylphosphinyl)-, monoammonium salt,
mixt. with methyl 2-[4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-
(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate
(9CI) (CA INDEX NAME)

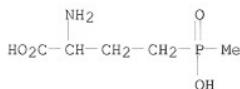
CM 1

CRN 344419-86-9
CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 77182-82-2
CMF C5 H12 N O4 P . H3 N



● NH3

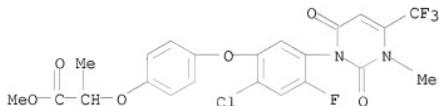
RN 506444-06-0 CAPLUS

CN Glycine, N-(phosphonomethyl)-, mixt. with methyl 2-[4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-86-9

CMF C22 H17 Cl F4 N2 O6



CM 2

CRN 1071-83-6

CMF C3 H8 N O5 P

$\text{HO}_2\text{C}-\text{CH}_2-\text{NH}-\text{CH}_2-\text{PO}_3\text{H}_2$

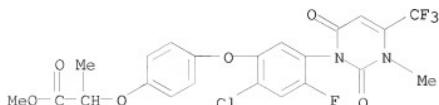
RN 506444-07-1 CAPLUS

CN Glycine, N-(phosphonomethyl)-, monoammonium salt, mixt. with methyl 2-[4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]propanoate (9CI) (CA INDEX NAME)

CM 1

CRN 344419-86-9

CMF C22 H17 Cl F4 N2 O6



CM 2

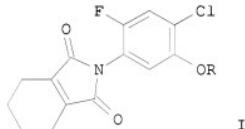
CRN 40465-66-5
CMF C3 H8 N O5 P . H3 N



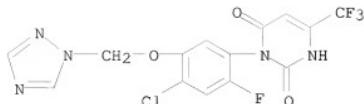
● NH3

L3 ANSWER 19 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2003:150710 CAPLUS
DOCUMENT NUMBER: 138:153544
TITLE: Preparation of substituted triazole, imidazole or pyrazole herbicides
INVENTOR(S): Liu, Changling; Zhang, Zongjian; Liu, Xiaonan;
Jacobson, Richard Martin; Mulvihill, Mark Joseph
PATENT ASSIGNEE(S): Shenyang Chemical Institute, Peop. Rep. China
SOURCE: Faming Zhanli Shenqing Gongkai Shuomingshu, 55 pp.
DOCUMENT TYPE: Patent
LANGUAGE: Chinese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
CN 1327984	A	20011226	CN 2000-110501	20000608
CN 1118465	B	20030820		
PRIORITY APPLN. INFO.:			CN 2000-110501	20000608
OTHER SOURCE(S):	MARPAT	138:153544		
GI				



- AB Title compds., for example I (R = triazolylmethyl, triazolylmethoxycarbonylmethyl), useful as herbicides, are prepared. Thus, refluxing I (R = H) with chloromethyl-1,2,4-triazole hydrochloride in butanone in the presence of K2CO3 for 5 h gave I (R = triazolylmethyl). II showed herbicidal activity against Bidens pilosa at 150 g/ha.
- IT 313046-22-9P
- RL: AGR (Agricultural use); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
- (preparation of substituted triazole, imidazole or pyrazole herbicides)
- RN 313046-22-9 CAPLUS
- CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1H-1,2,4-triazol-1-ylmethoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)

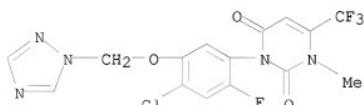


IT 313046-23-0P

RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of substituted triazole, imidazole or pyrazole herbicides)

RN 313046-23-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(1H-1,2,4-triazol-1-ylmethoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

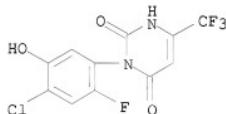


IT 114136-62-8

RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of substituted triazole, imidazole or pyrazole herbicides)

RN 114136-62-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-hydroxyphenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



L3 ANSWER 20 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2003:133262 CAPLUS

DOCUMENT NUMBER: 138:170254

TITLE: Preparation of [3-[3-(2,4-dioxo-1,2,3,4-tetrahydropyrimidin-3-yl)phenoxy]-2-pyridyloxy]acetic acid alkyl esters by etherification of 3-[3-(2,4-dioxo-1,2,3,4-tetrahydropyrimidin-3-yl)phenoxy]-1,2-dihydro-2-pyridones with alkyl diazoacetate

INVENTOR(S): Tohyama, Yoshitomo; Komori, Takashi; Sanemitsu, Yuzuru
PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan

SOURCE: PCT Int. Appl., 57 pp.

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.

KIND

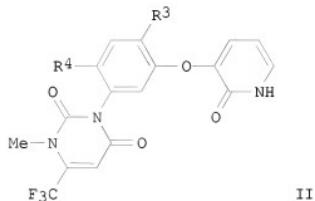
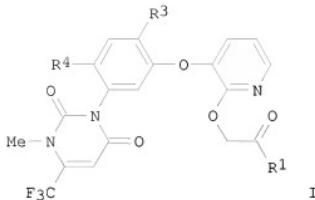
DATE

APPLICATION NO.

DATE

WO	2003014109	A1	20030220	WO	2002-JP7793	20020731
W:	AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW					
RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG					
JP	2003048885	A	20030221	JP	2001-234650	20010802
JP	2003286284	A	20031010	JP	2002-88577	20020327
CA	2456093	A1	20030220	CA	2002-2456093	20020731
AU	2002318564	A1	20030224	AU	2002-318564	20020731
AU	2002318564	B2	20070104			
EP	1422227	A1	20040526	EP	2002-746150	20020731
R:	AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, SK					
BR	2002011652	A	20040713	BR	2002-11652	20020731
CN	1537110	A	20041013	CN	2002-815155	20020731
HU	2004001486	A2	20041129	HU	2004-1486	20020731
RU	2272035	C2	20060320	RU	2004-106028	20020731
IN	2004CN00193	A	20051209	IN	2004-CN193	20040130
MX	2004PA01041	A	20040527	MX	2004-PA1041	20040202
ZA	2004000844	A	20050202	ZA	2004-844	20040202
US	2004254077	A1	20041216	US	2004-486037	20040206
US	7157579	B2	20070102			
US	2006189484	A1	20060824	US	2006-382354	20060509
US	7223862	B2	20070529			
PRIORITY APPLN. INFO.:				JP	2001-234650	A 20010802
				JP	2002-88577	A 20020327
OTHER SOURCE(S):				WO	2002-JP7793	W 20020731
GI				US	2004-486037	A1 20040206

CASREACT 138:170254; MARPAT 138:170254

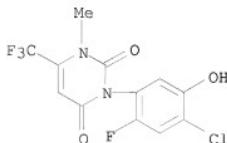


AB [3-[3-(1-Methyl-6-trifluoromethyl-2,4-dioxo-1,2,3,4-tetrahydropyrimidin-3-yl)phenoxy]-2-pyridyloxy]acetic acid alkyl esters (I; R1 = Cl-6 alkoxy; R3 = halo, cyano, NO2; R4 = H, halo) having excellent herbicidal activity are prepared by etherification (O-alkylation) of 3-[3-(1-methyl-6-trifluoromethyl-2,4-dioxo-1,2,3,4-tetrahydropyrimidin-3-yl)phenoxy]-1,2-dihydro-2-pyridones (II; R3, R4 = same as above) with alkyl diazoacetate of general formula N2CHCOR1 (R1 = same as above) in the presence of an acid. Thus, 0.15 g Me diazoacetate was added dropwise to a mixture of 0.5 g 3-[2-chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-trifluoromethyl-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]-1H-pyridin-2-one, 8 mg rhodium(II) trifluoroacetate dimer, and 15 mL CH₂Cl₂ at 80° over 3 h, stirred at 80° for 4 h, and concentrated to give, after silica gel column chromatog., 3-[2-chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-trifluoromethyl-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]-2-(methoxycarbonylmethoxy)pyridine (III). III at 125 g/ha (postemergence application) completely controlled Abutilon theophrasti and Ipomoea hederacea.

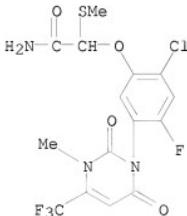
IT 114136-60-6, 2-Chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-trifluoromethyl-1,2,3,6-tetrahydropyrimidin-1-yl)phenol
RL: RCT (Reactant); RACT (Reactant or reagent)
 (etherification with di-Me chloromalonate)

RN 114136-60-6 CAPLUS

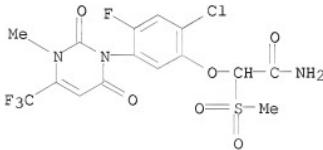
CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



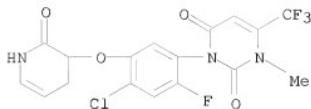
IT 497866-19-0P, 2-[2-Chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-trifluoromethyl-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]-2-(methylthio)acetamide
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and S-oxidation with m-chloroperbenzoic acid)
 RN 497866-19-0 CAPLUS
 CN Acetanide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-(methylthio)- (CA INDEX NAME)



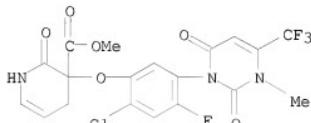
IT 497866-20-3P, 2-[2-Chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-trifluoromethyl-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]-2-(methylsulfonyl)acetamide
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and cyclocondensation reaction with acrolein to 3,4-dihydro-1H-pyridin-2-one derivative)
 RN 497866-20-3 CAPLUS
 CN Acetanide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-(methylsulfonyl)- (CA INDEX NAME)



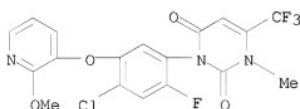
IT 497866-16-7P, 3-[2-Chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-trifluoromethyl-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]-3,4-dihydro-1H-pyridin-2-one
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (pyrannulation and dehydrogenation with o-chloranil)
 RN 497866-16-7 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(1,2,3,4-tetrahydro-2-oxo-3-pyridinyl)oxygen]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



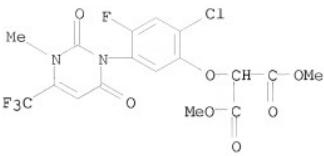
- IT 497866-15-6P, 3-[2-Chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-trifluoromethyl-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]-2-methoxycarbonyl-3,4-dihydro-1H-pyridin-2-one
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and demethoxycarbonylation)
- RN 497866-15-6 CAPLUS
- CN 3-Pyridinecarboxylic acid, 3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1,2,3,4-tetrahydro-2-oxo-, methyl ester (CA INDEX NAME)



- IT 497866-29-2P, 3-[2-Chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-trifluoromethyl-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]-2-methoxypyridine
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and diazotization with isoamyl nitrile and chlorination with copper chloride)
- RN 497866-29-2 CAPLUS
- CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-methoxy-3-pyridinyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

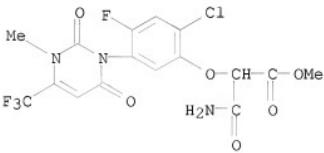


- IT 497866-11-2P, Dimethyl [2-chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-trifluoromethyl-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]malonate
 497866-13-4P, 2-(Carbamoyl)-2-[2-chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-trifluoromethyl-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]acetic acid methyl ester
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and monoamidation with ammonia)
- RN 497866-11-2 CAPLUS
- CN Propanedioic acid, [2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, dimethyl ester (9CI) (CA INDEX NAME)



RN 497866-13-4 CAPLUS

CN Propanoic acid, 3-amino-2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-oxo-, methyl ester
(CA INDEX NAME)

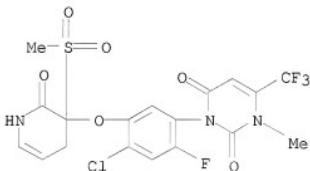


IT 497866-21-4P, 3-[2-Chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-trifluoromethyl-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]-3-(methylsulfonyl)-3,4-dihydro-1H-pyridin-2-one

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (p-toluenesulfonic acid-catalyzed elimination reaction to 1H-pyridin-2-one derivative)

RN 497866-21-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[1,2,3,4-tetrahydro-3-(methylsulfonyl)-2-oxo-3-pyridinyl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



IT 353292-14-5P, [3-[2-Chloro-4-fluoro-5-(1-methyl-6-trifluoromethyl-2,4-dioxo-1,2,3,4-tetrahydropyrimidin-3-yl)phenoxy]-2-pyridyloxylacetic acid methyl ester 353292-31-6P, [3-[2-Chloro-4-fluoro-5-(1-methyl-6-trifluoromethyl-2,4-dioxo-1,2,3,4-tetrahydropyrimidin-3-yl)phenoxy]-2-pyridyloxylacetic acid ethyl ester 353292-32-7P,
[3-[2-Chloro-4-fluoro-5-(1-methyl-6-trifluoromethyl-2,4-dioxo-1,2,3,4-tetrahydropyrimidin-3-yl)phenoxy]-2-pyridyloxylacetic acid propyl ester 353292-33-8P, [3-[2-Chloro-4-fluoro-5-(1-methyl-6-trifluoromethyl-2,4-dioxo-1,2,3,4-tetrahydropyrimidin-3-yl)phenoxy]-2-pyridyloxylacetic

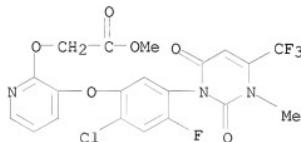
acid pentyl ester 353292-39-4P, [3-[2-Chloro-4-fluoro-5-(1-methyl-6-trifluoromethyl-2,4-dioxo-1,2,3,4-tetrahydropyrimidin-3-yl)phenoxy]-2-pyridyloxy]acetic acid 353292-40-7P, N-Methoxy-2-[3-[2-chloro-4-fluoro-5-(1-methyl-6-trifluoromethyl-2,4-dioxo-1,2,3,4-tetrahydropyrimidin-3-yl)phenoxy]-2-pyridyloxy]acetamide 353292-42-9P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of [(dioxohydropyrimidinyl)phenoxy]pyridyloxy]acetic acid alkyl esters as herbicides by etherification (O-alkylation) of [(dioxohydropyrimidinyl)phenoxy]dihydropyridones with alkyl diazoacetate in presence of acid or rhodium salt)

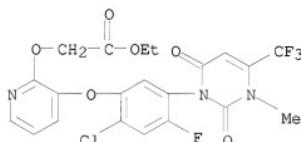
RN 353292-14-5 CAPLUS

CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



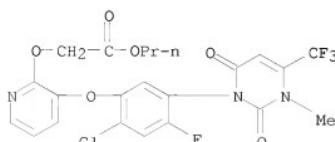
RN 353292-31-6 CAPLUS

CN Acetic acid, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester (CA INDEX NAME)



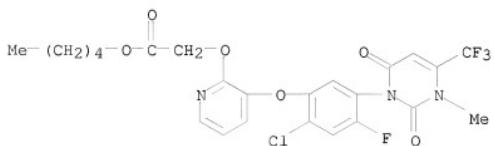
RN 353292-32-7 CAPLUS

CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, propyl ester (9CI) (CA INDEX NAME)



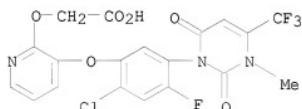
RN 353292-33-8 CAPLUS

CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, pentyl ester (9CI) (CA INDEX NAME)



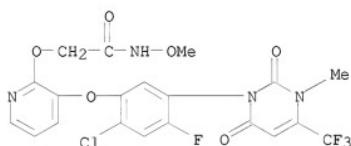
RN 353292-39-4 CAPLUS

CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]- (9CI) (CA INDEX NAME)



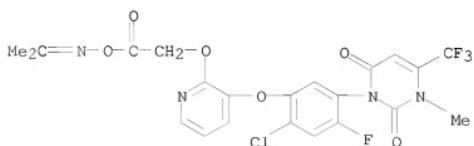
RN 353292-40-7 CAPLUS

CN Acetamide, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-methoxy- (CA INDEX NAME)



RN 353292-42-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-[2-[(1-methylethylidene)amino]oxy]-2-oxoethoxy)-3-pyridinyl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



IT 353292-11-2P, [3-[2-Chloro-4-fluoro-5-(1-methyl-6-trifluoromethyl-

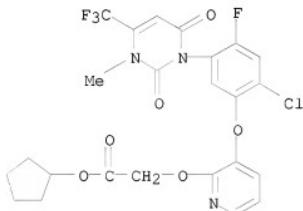
2,4-dioxo-1,2,3,4-tetrahydropyrimidin-3-yl)phenoxy]-2-pyridyloxy]acetic acid cyclopentyl ester 353292-43-0P, [3-[2-Bromo-4-fluoro-5-(1-methyl-6-trifluoromethyl-2,4-dioxo-1,2,3,4-tetrahydropyrimidin-3-yl)phenoxy]-2-pyridyloxy]acetic acid methyl ester 477714-35-5P, [3-[2-Chloro-4-fluoro-5-(1-methyl-6-trifluoromethyl-2,4-dioxo-1,2,3,4-tetrahydropyrimidin-3-yl)phenoxy]-2-pyridyloxy]acetic acid [(methoxycarbonyl)methyl] ester

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of [(dioxohydropyrimidinyl)phenoxy]pyridyloxy]acetic acid alkyl esters by etherification (O-alkylation) of [(dioxohydropyrimidinyl)phenoxy]dihydropyridones with alkyl diazoacetate in presence of acid or rhodium salt)

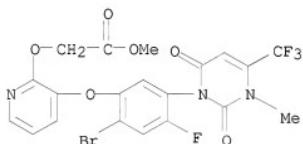
RN 353292-11-2 CAPLUS

CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, cyclopentyl ester (9CI) (CA INDEX NAME)



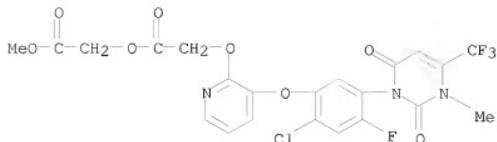
RN 353292-43-0 CAPLUS

CN Acetic acid, [(3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)

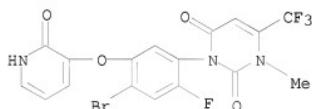


RN 477714-35-5 CAPLUS

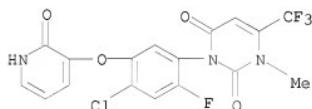
CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, 2-methoxy-2-oxoethyl ester (9CI) (CA INDEX NAME)



- IT 497866-31-6, 3-[2-Bromo-4-fluoro-5-(1-methyl-6-trifluoromethyl-2,4-dioxo-1,2,3,4-tetrahydropyrimidin-3-yl)phenoxy]-1H-pyridin-2-one
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of [(dioxohydropyrimidinyl)phenoxy]pyridyloxy]acetic acid alkyl esters by etherification (O-alkylation) of [(dioxohydropyrimidinyl)phenoxy]dihydropyridones with alkyl diazoacetate in presence of acid or rhodium salt)
- RN 497866-31-6 CAPLUS
- CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-5-[(1,2-dihydro-2-oxo-3-pyridinyl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



- IT 497866-09-8P, 3-[2-Chloro-4-fluoro-5-(1-methyl-6-trifluoromethyl-2,4-dioxo-1,2,3,4-tetrahydropyrimidin-3-yl)phenoxy]-1H-pyridin-2-one
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of [(dioxohydropyrimidinyl)phenoxy]pyridyloxy]acetic acid alkyl esters by etherification (O-alkylation) of [(dioxohydropyrimidinyl)phenoxy]dihydropyridones with alkyl diazoacetate in presence of acid or rhodium salt)
- RN 497866-09-8 CAPLUS
- CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(1,2-dihydro-2-oxo-3-pyridinyl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

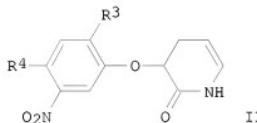
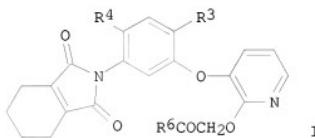


REFERENCE COUNT: 22 THERE ARE 22 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 21 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2003:132363 CAPLUS
 DOCUMENT NUMBER: 138:170222
 TITLE: Preparation of pyridines as herbicides and their intermediates

INVENTOR(S): Toyama, Yoshitomo; Komori, Takashi; Sanemitsu, Minoru
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 31 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003048886	A	20030221	JP 2001-234651	20010802
PRIORITY APPLN. INFO.:			JP 2001-234651	20010802
OTHER SOURCE(S):		MARPAT 138:170222		
GI				



AB Pyridines I [R3 = halo, cyano; R4 = H, halo; R6 = OH, Cl-6 (halo)alkoxy, C3-6 (halo)alkenyoxy, C3-6 (halo)alkynyoxy, Cl-6 alkylaminoxy, (un)substituted PhO, (un)substituted phenyl-Cl-4 alkoxy, amino, etc.], useful as broad-spectrum herbicides with high activity without damaging crops, are prepared via condensation of 3-(3-nitrophenoxy)-1H-pyridin-2-ones II (R3 = halo, cyano; R4 = H, halo) with N2CHCOR61 (R61 = MeO, EtO) ni the presence of Rh(II) catalysts. Thus, 3-(5-amino-2-chloro-4-fluorophenoxy)-2-(methoxycarbonylmethoxy)pyridine was treated with 3,4,5,6-tetrahydronaphthalic anhydride to give I (R3 = Cl, R4 = F, R6 = OMe), which at 125 g/ha completely inhibited *Abutilon avicinnae*.

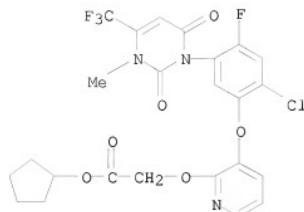
IT
 353292-11-2P 353292-14-5P 353292-31-6P
 353292-32-7P 353292-33-8P 353292-39-4P
 353292-40-7P 353292-42-9P 353292-43-0P
 477714-35-5P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

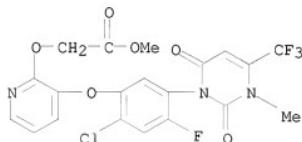
(preparation of pyridines as herbicides)

RN 353292-11-2 CAPLUS

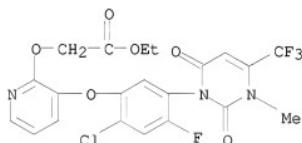
CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, cyclopentyl ester (9CI) (CA INDEX NAME)



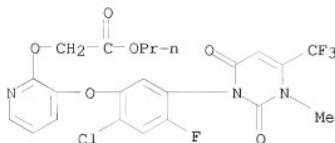
RN 353292-14-5 CAPLUS
 CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



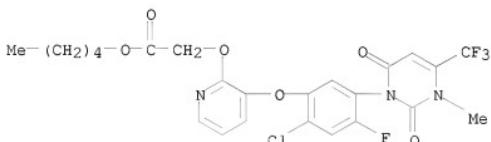
RN 353292-31-6 CAPLUS
 CN Acetic acid, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester (CA INDEX NAME)



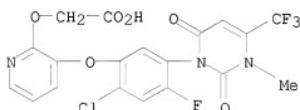
RN 353292-32-7 CAPLUS
 CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, propyl ester (9CI) (CA INDEX NAME)



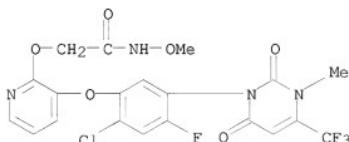
RN 353292-33-8 CAPLUS
 CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]pentyl ester (9CI) (CA INDEX NAME)



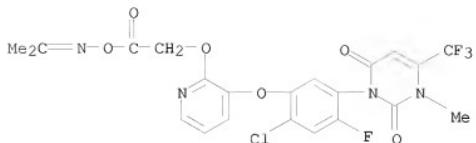
RN 353292-39-4 CAPLUS
 CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy] (9CI) (CA INDEX NAME)



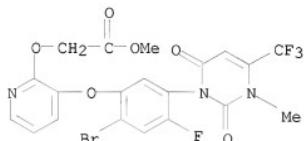
RN 353292-40-7 CAPLUS
 CN Acetamide, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-methoxy- (CA INDEX NAME)



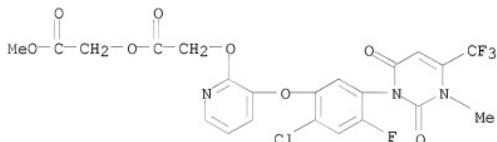
RN 353292-42-9 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[2-[2-[(1-methylethylidene)amino]oxyl]-2-oxoethoxy]-3-pyridinyl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 353292-43-0 CAPLUS
 CN Acetic acid, [(3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 477714-35-5 CAPLUS
 CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, 2-methoxy-2-oxoethyl ester (9CI) (CA INDEX NAME)



L3 ANSWER 22 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2003:63247 CAPLUS
 DOCUMENT NUMBER: 138:133145
 TITLE: Putative F420-dependent glucose-6-phosphate dehydrogenase from *Mycobacterium neoaurum*, that degrades uracil backbone containing protoporphyrinogen oxidase (PPO) inhibitor-type herbicides, and encoding gene
 INVENTOR(S): Nakajima, Hiroki; Mukumoto, Fujio; Arata, Yuto
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 40 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.

KIND

DATE

APPLICATION NO.

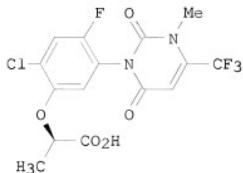
DATE

JP 2003024072
PRIORITY APPLN. INFO.:
OTHER SOURCE(S):
GI

A 20030128
MARPAT 138:133145

JP 2001-205903
JP 2001-205903

20010706
20010706



I

AB A putative F420-dependent glucose-6-phosphate dehydrogenase (FGD) from Mycobacterium, capable of reducing the pyrimidinedione double bond of compound I, the gene encoding FGD, expression of the gene in transgenic cells, and use in reducing damage to plants caused by uracil backbone containing protoporphyrinogen oxidase (PPO) inhibitor-type herbicides are disclosed. A mutant of the protein having N-terminal leucine substituted with methionine is claimed. Primers for detecting the gene are provided. Two proteins having the above described activity were isolated from Mycobacterium neoaurum JCM6365. The gene coding for the protein was cloned and its sequence was determined and analyzed. The encoded protein was found to have the sequence identity to F420-dependent glucose-6-phosphate dehydrogenase (FGD) from Mycobacterium. Recombinant protein expressed in Escherichia coli BL21(DE3) metabolized other compds. having structure similar to I.

IT 280762-82-5 280762-88-1 492436-13-2

RL: AGR (Agricultural use); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(degradation of; putative F420-dependent glucose-6-phosphate dehydrogenase from Mycobacterium neoaurum, that degrades uracil backbone containing protoporphyrinogen oxidase (PPO) inhibitor-type herbicides, and encoding gene)

RN 280762-82-5 CAPLUS

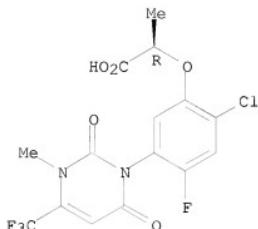
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester, (2R)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



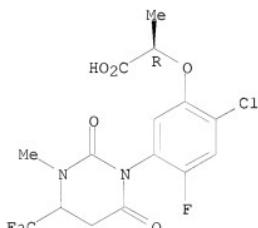
RN 280762-88-1 CAPLUS
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



RN 492436-13-2 CAPLUS
CN Propanoic acid, 2-[2-chloro-4-fluoro-5-[tetrahydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



L3 ANSWER 23 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2002:955421 CAPLUS
DOCUMENT NUMBER: 138:39288
TITLE: Preparation of 1-methyl-3-(2-fluorophenyl)-1-methyl-6-trifluoromethyl-1,2,3,4-tetrahydropyrimidine-2,4-dione derivatives as defoliants (foliar withering agents)
INVENTOR(S): Mito, Nobuaki
PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 41 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

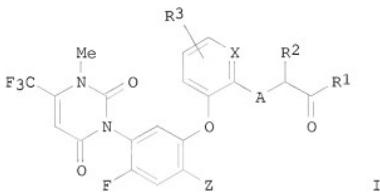
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
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JP 2002363170
PRIORITY APPLN. INFO.:
OTHER SOURCE(S):
GI

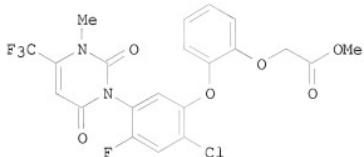
A 20021218 MARPAT 138:39288

JP 2001-169271
JP 2001-169271

20010605
20010605



I



II

AB Foliar withering agents for plants and crops containing the title compds. [I; X = CH, N; Z = halo; R1 = HO, Cl-7 alkoxy, C3-7 alkenyloxy, C3-7 alkynylloxy, C5-7 cycloalkoxy, (C1-3 alkoxy)carbonyl-C1-3 alkoxy, Cl-7 alkylaminoxy, di(Cl-7 alkyl)amino, C3-7 alkylideneaminoxy, Cl-7 alkylamino, di(Cl-7 alkyl)amino, C3-7 alkenylamino, C3-7 alkynylamino, C5-7 cycloalkylamino, (C1-7 alkoxy)carbonyl-C1-3 alkylamino, Cl-7 alkoxyamino; R2 = H, Me; R3 = H, halo, Cl-3 alkyl, Cl-3 alkoxy] as the active ingredients are disclosed. The above plants and crops are selected from potato, sunflower, soy bean, rape (*Brassica campestris*), and sorghum. These compds. are applied to the above crops before harvest time, which wither leaves and stems of the crops and makes the harvest of crops easier. Thus, 0.58 g MeI was added to a mixture of 0.93 g [2-[2-chloro-4-fluoro-5-[2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]acetic acid Me ester, 0.31 g K2CO3, and 10 mL DMF and stirred at room temperature for

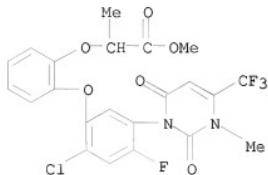
2 h to give [2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]acetic acid Me ester (II). II at 10 g/ha completely dried potato plants after 14 days.

IT 344419-95-0P 344419-97-2P 344419-98-3P
344419-99-4P 344420-01-5P 344420-04-8P
344420-05-9P 344420-07-1P 353292-11-2P
353292-14-5P 353292-24-7P 353292-29-2P
353292-30-5P 353292-31-6P 353292-32-7P
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477714-18-4P 477714-25-3P 477714-35-5P

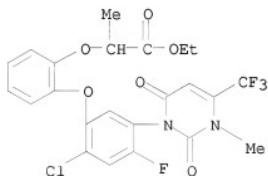
RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of methyl(2-fluorophenyl)methylfluoromethylhydropyrimidinedione derivs. as foliar withering agents for crops before harvest)

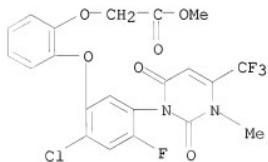
RN 344419-95-0 CAPLUS
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (CA INDEX NAME)



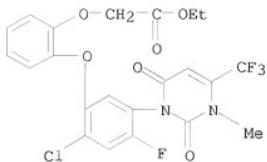
RN 344419-97-2 CAPLUS
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (CA INDEX NAME)



RN 344419-98-3 CAPLUS
CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)

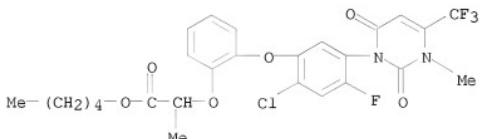


RN 344419-99-4 CAPLUS
CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (9CI) (CA INDEX NAME)



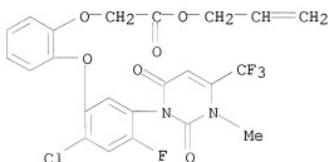
RN 344420-01-5 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-{3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl}-4-fluorophenoxy]phenoxy-, pentyl ester (CA INDEX NAME)



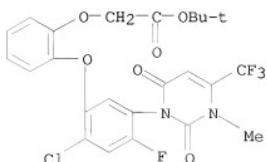
RN 344420-04-8 CAPLUS

CN Acetic acid, [2-[2-chloro-5-{3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl}-4-fluorophenoxy]phenoxy]-, 2-propenyl ester (9CI) (CA INDEX NAME)

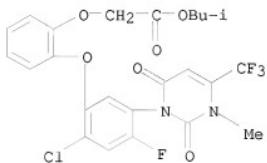


RN 344420-05-9 CAPLUS

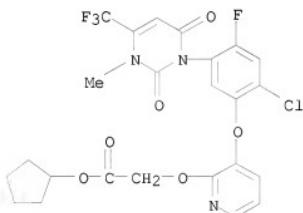
CN Acetic acid, [2-[2-chloro-5-{3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl}-4-fluorophenoxy]phenoxy]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



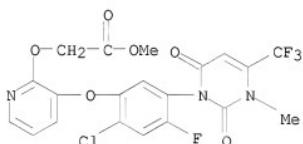
RN 344420-07-1 CAPLUS
CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 2-methylpropyl ester (9CI) (CA INDEX NAME)



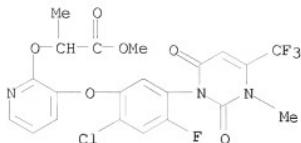
RN 353292-11-2 CAPLUS
CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, cyclopentyl ester (9CI) (CA INDEX NAME)



RN 353292-14-5 CAPLUS
CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)

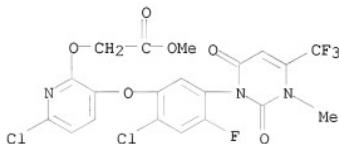


RN 353292-24-7 CAPLUS
CN Propanoic acid, 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (CA INDEX NAME)



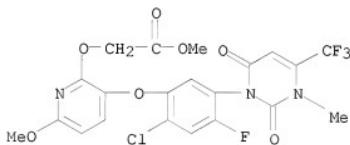
RN 353292-29-2 CAPLUS

CN Acetic acid, [(6-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



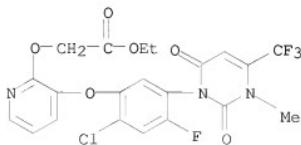
RN 353292-30-5 CAPLUS

CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-methoxy-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 353292-31-6 CAPLUS

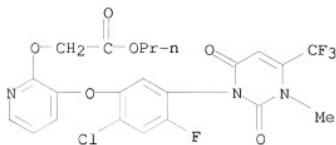
CN Acetic acid, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester (CA INDEX NAME)



RN 353292-32-7 CAPLUS

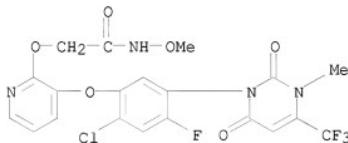
CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-,

propyl ester (9CI) (CA INDEX NAME)



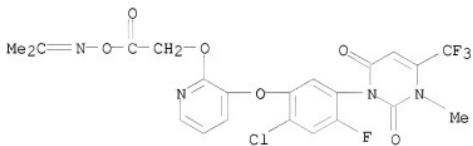
RN 353292-40-7 CAPLUS

CN Acetamide, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-methoxy- (CA INDEX NAME)



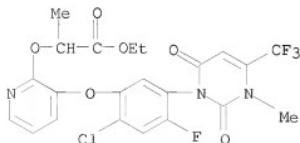
RN 353292-42-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-[2-[(1-methylethylidene)amino]oxy]-2-oxoethoxy)-3-pyridinyl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



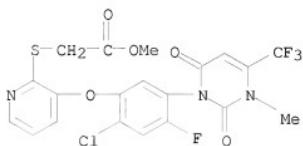
RN 353292-69-0 CAPLUS

CN Propanoic acid, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy)-, ethyl ester (CA INDEX NAME)



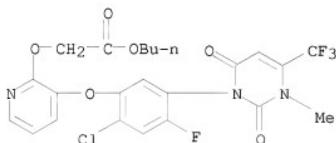
RN 477714-18-4 CAPLUS

CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]methyl ester (9CI) (CA INDEX NAME)



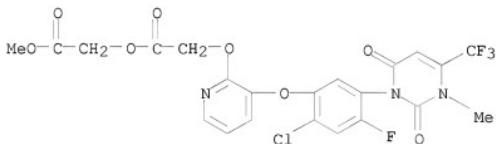
RN 477714-25-3 CAPLUS

CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]butyl ester (9CI) (CA INDEX NAME)



RN 477714-35-5 CAPLUS

CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-2-methoxy-2-oxoethyl ester (9CI) (CA INDEX NAME)



IT 344419-93-8P 344420-00-4P 344420-02-6P

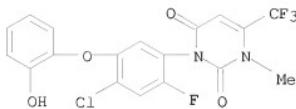
344420-09-3P 344420-46-8P 353292-72-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

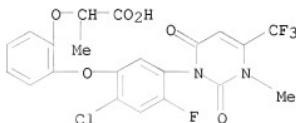
(preparation of methyl(2-fluorophenyl)methylfluoromethylhydropyrimidinedione derivs. as foliar withering agents for crops before harvest)

RN 344419-93-8 CAPLUS

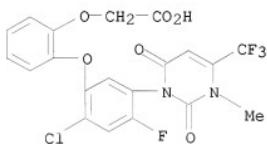
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-hydroxyphenoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



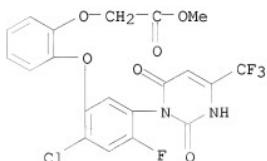
RN 344420-00-4 CAPLUS
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy- (CA INDEX NAME)



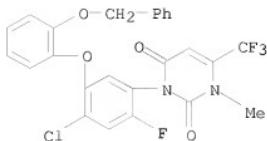
RN 344420-02-6 CAPLUS
 CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]- (9CI) (CA INDEX NAME)



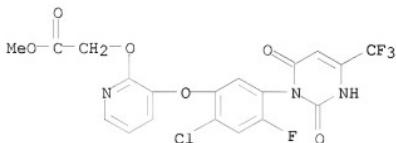
RN 344420-09-3 CAPLUS
 CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 344420-46-8 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-(phenylmethoxy)phenoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



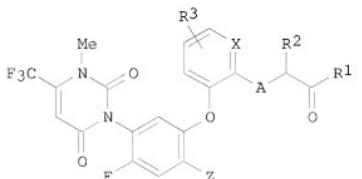
RN 353292-72-5 CAPLUS
 CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI)
 (CA INDEX NAME)



L3 ANSWER 24 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2002:955382 CAPLUS
 DOCUMENT NUMBER: 138:39287
 TITLE: Preparation of pyrimidinedione derivatives as plant growth regulator for Gossypium harvesting
 INVENTOR(S): Mito, Nobuaki
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 41 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002363010	A	20021218	JP 2001-169270	20010605
PRIORITY APPLN. INFO.:			JP 2001-169270	20010605

OTHER SOURCE(S): MARPAT 138:39287
 GI



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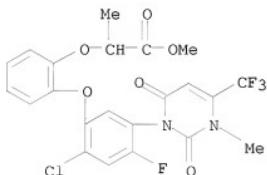
AB Title compds. I (X = CH, N; Z = halo; A = O, S, NH; R1 = OH, alkoxy, etc.; R2 = H, Me; R3 = H, halo, alkyl, alkoxy), useful as plant growth regulator for Gossypium harvesting by promoting defoliation and boll cleavage, are prepared. Thus, methylation of Me [$\{-2\text{-chloro-4-fluoro-5-[2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy}\}phenoxy]acetate$ with MeI in DMF in the presence of K2CO3 gave Me [$\{-2\text{-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy}\}phenoxy]acetate$ (II). II promoted defoliation and boll cleavage for Gossypium at 20 g/are.

IT 344419-95-0P 353292-14-5P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of pyrimidinedione derivs. as plant growth regulator for Gossypium harvesting)

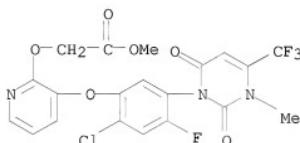
RN 344419-95-0 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (CA INDEX NAME)



RN 353292-14-5 CAPLUS

CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



IT 344419-97-2P 344419-98-3P 344419-99-4P

344420-01-5P 344420-04-8P 344420-05-9P

344420-07-1P 353292-24-7P 353292-29-2P

353292-30-5P 353292-31-6P 353292-32-7P

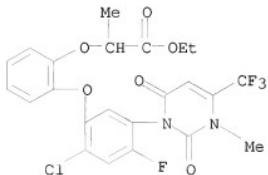
353292-40-7P 353292-42-9P 353292-69-0P

477714-18-4P 477714-32-2P 477714-35-5P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of pyrimidinedione derivs. as plant growth regulator for Gossypium harvesting)

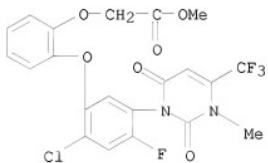
RN 344419-97-2 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (CA INDEX NAME)



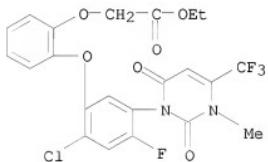
RN 344419-98-3 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (GCI) (CA INDEX NAME)



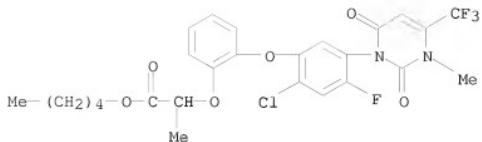
RN 344419-99-4 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (GCI) (CA INDEX NAME)



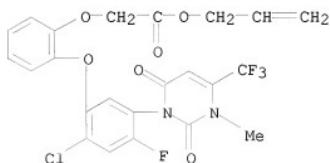
RN 344420-01-5 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, pentyl ester (CA INDEX NAME)



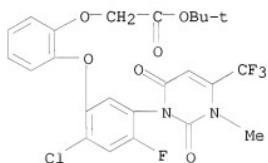
RN 344420-04-8 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 2-propenyl ester (9CI) (CA INDEX NAME)



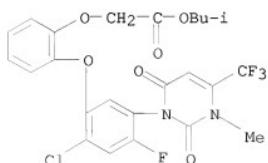
RN 344420-05-9 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



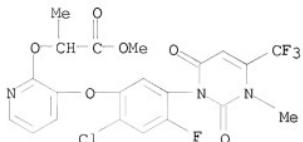
RN 344420-07-1 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 2-methylpropyl ester (9CI) (CA INDEX NAME)



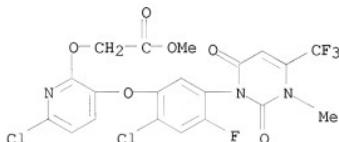
RN 353292-24-7 CAPLUS

CN Propanoic acid, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (CA INDEX NAME)



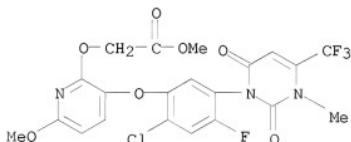
RN 353292-29-2 CAPLUS

CN Acetic acid, [(6-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



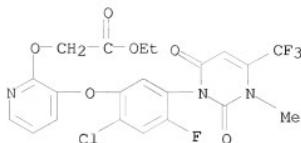
RN 353292-30-5 CAPLUS

CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-methoxy-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



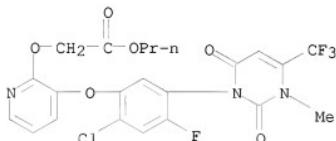
RN 353292-31-6 CAPLUS

CN Acetic acid, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester (CA INDEX NAME)



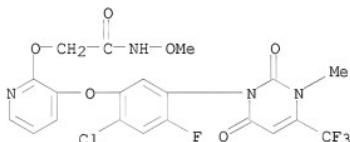
RN 353292-32-7 CAPLUS

CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, propyl ester (9CI) (CA INDEX NAME)



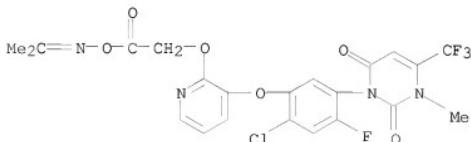
RN 353292-40-7 CAPLUS

CN Acetamide, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-methoxy- (CA INDEX NAME)



RN 353292-42-9 CAPLUS

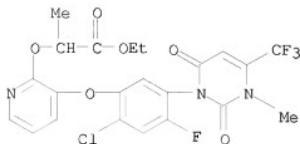
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[2-[2-[(1-methyl ethylidene)amino]oxy]-2-oxoethoxy]-3-pyridinyl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



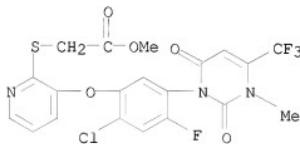
RN 353292-69-0 CAPLUS

CN Propanoic acid, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy)-,

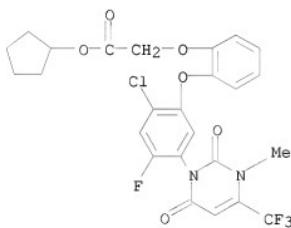
ethyl ester (CA INDEX NAME)



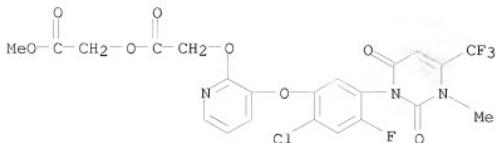
RN 477714-18-4 CAPLUS
CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]-, methyl ester (9CI) (CA INDEX NAME)



RN 477714-32-2 CAPLUS
CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, cyclopentyl ester (9CI) (CA INDEX NAME)



RN 47714-35-5 CAPLUS
CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, 2-methoxy-2-oxoethyl ester (9CI) (CA INDEX NAME)



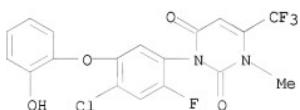
IT 344419-93-8P 344420-00-4P 344420-02-6P
344420-09-3P 344420-46-8P 353292-33-8P

353292-72-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of pyrimidinedione derivs. as plant growth regulator for Gossypium harvesting)

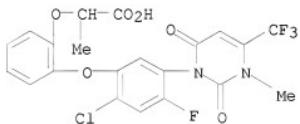
RN 344419-93-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-hydroxyphenoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



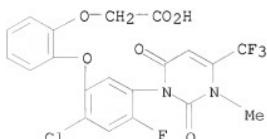
RN 344420-00-4 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]- (CA INDEX NAME)

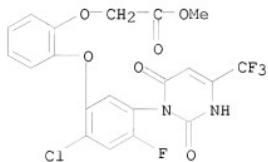


RN 344420-02-6 CAPLUS

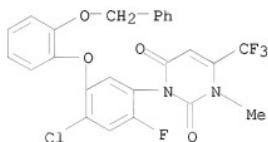
CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]- (9CI) (CA INDEX NAME)



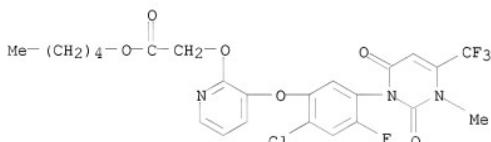
RN 344420-09-3 CAPLUS
CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)



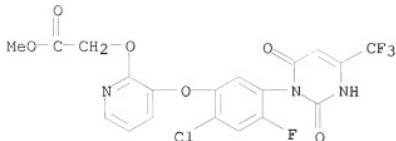
RN 344420-46-8 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-(phenylmethoxy)phenoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 353292-33-8 CAPLUS
CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, pentyl ester (9CI) (CA INDEX NAME)



RN 353292-72-5 CAPLUS
CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



L3 ANSWER 25 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:946034 CAPLUS

DOCUMENT NUMBER: 138:20911

TITLE: Tetrahydropyrimidines as stem/leaf desiccants

INVENTOR(S): Mito, Nobuaki

PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan

SOURCE: PCT Int. Appl., 82 pp.

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

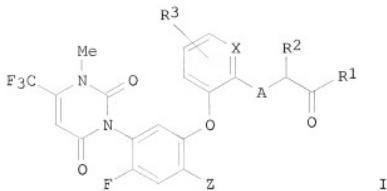
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002098228	A1	20021212	WO 2001-JP4631	20010531
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
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CA 2447845	A1	20021212	CA 2001-2447845	20010531
AU 2001260688	A1	20021216	AU 2001-260688	20010531
EP 1397958	A1	20040317	EP 2001-934478	20010531
EP 1397958	B1	20070110		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2001017036	A	20040727	BR 2001-17036	20010531
EP 1736052	A2	20061227	EP 2006-18718	20010531
R: DE, FR, GB				
US 2004138063	A1	20040715	US 2003-476605	20031103
US 7109148	B2	20060919		
US 2006234865	A1	20061019	US 2006-453968 EP 2001-934478 WO 2001-JP4631 US 2003-476605	20060616 A3 20010531 W 20010531 A3 20031103
PRIORITY APPLN. INFO.:				

OTHER SOURCE(S): MARPAT 138:20911

GI



AB This document discloses a stem/leaf desiccant for crop plants which comprises as the active ingredient a compound represented by the formula I [wherein X represents CH or nitrogen; Z represents halogeno; A represents oxygen, sulfur, or NH; R1 represents OH, [alkyl, alkenyl, alkynyl, cycloalkyl, (alkoxycarbonyl)alkyl, alkylamino, dialkylamino, or (alkylenediamino)oxy, or [alkyl, dialkyl, alkenyl, alkynyl, cycloalkyl, (alkoxycarbonyl)alkyl, or alkoxy]amino; R2 represents hydrogen or CH3; and R3 represents hydrogen, halogeno, alkyl, or alkoxy]; and a method of drying crop plants or of harvesting crops with the desiccant. The bioeffects of I were demonstrated.

IT 344419-95-0P 344419-97-2P 344419-98-3P

344419-99-4P 344420-01-5P 344420-04-8P

344420-05-9P 344420-07-1P 353292-11-2P

353292-14-5P 353292-24-7P 353292-29-2P

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353292-33-8P 353292-40-7P 353292-42-9P

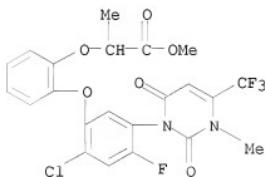
353292-69-0P 477714-18-4P 477714-35-5P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of tetrahydropyrimidines as stem/leaf desiccants)

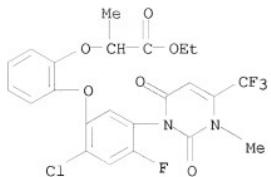
RN 344419-95-0 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (CA INDEX NAME)

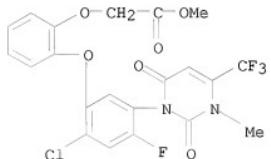


RN 344419-97-2 CAPLUS

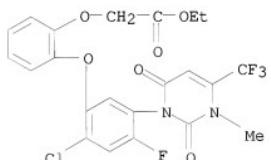
CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (CA INDEX NAME)



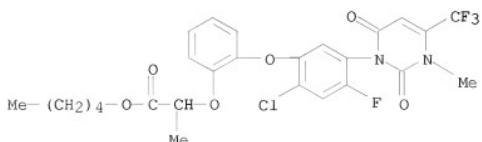
RN 344419-98-3 CAPLUS
 CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 344419-99-4 CAPLUS
 CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (9CI) (CA INDEX NAME)

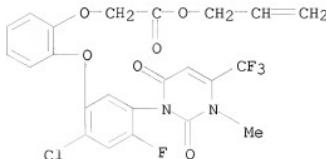


RN 344420-01-5 CAPLUS
 CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, pentyl ester (CA INDEX NAME)



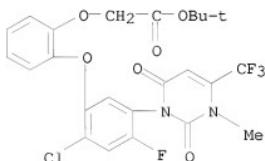
RN 344420-04-8 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 2-propenyl ester (9CI) (CA INDEX NAME)



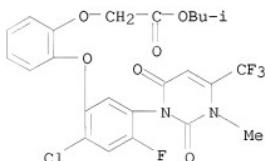
RN 344420-05-9 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



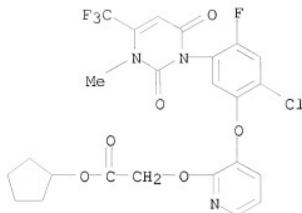
RN 344420-07-1 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 2-methylpropyl ester (9CI) (CA INDEX NAME)

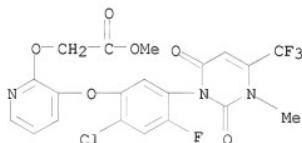


RN 353292-11-2 CAPLUS

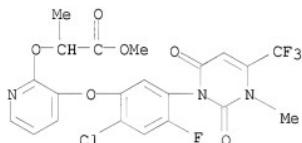
CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl)oxy]-, cyclopentyl ester (9CI) (CA INDEX NAME)



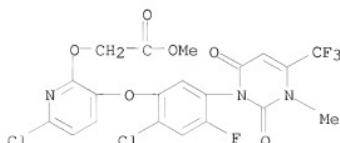
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 CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



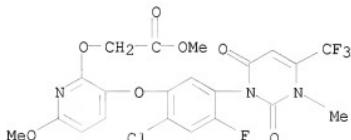
RN 353292-24-7 CAPLUS
 CN Propanoic acid, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (CA INDEX NAME)



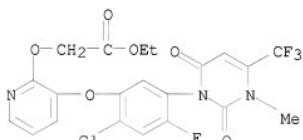
RN 353292-29-2 CAPLUS
 CN Acetic acid, [(6-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



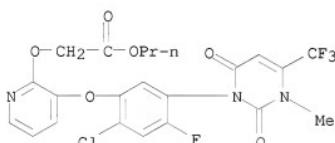
RN 353292-30-5 CAPLUS
CN Acetic acid, {[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-methoxy-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



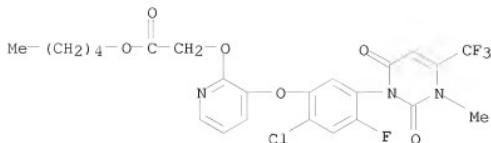
RN 353292-31-6 CAPLUS
CN Acetic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester (CA INDEX NAME)



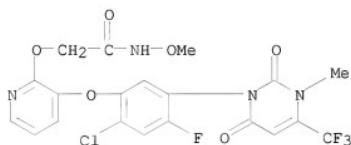
RN 353292-32-7 CAPLUS
CN Acetic acid, {[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, propyl ester (9CI) (CA INDEX NAME)



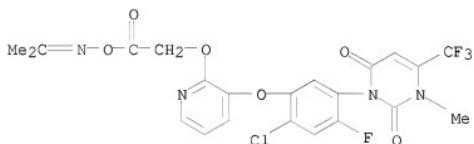
RN 353292-33-8 CAPLUS
CN Acetic acid, {[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, pentyl ester (9CI) (CA INDEX NAME)



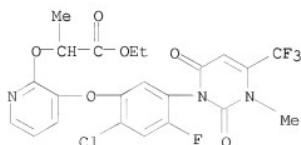
RN 353292-40-7 CAPLUS
 CN Acetamide, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-methoxy- (CA INDEX NAME)



RN 353292-42-9 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-[2-[(1-methylethylidene)amino]oxy]-2-oxethoxy)-3-pyridinyl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

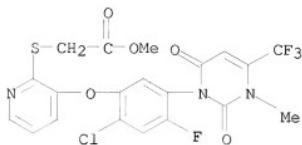


RN 353292-69-0 CAPLUS
 CN Propanoic acid, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester (CA INDEX NAME)



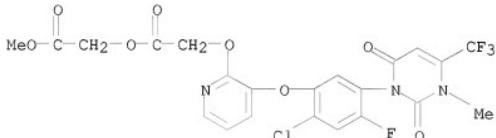
RN 477714-18-4 CAPLUS
 CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]-,

methyl ester (9CI) (CA INDEX NAME)



RN 477714-35-5 CAPLUS

CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, 2-methoxy-2-oxoethyl ester (9CI) (CA INDEX NAME)



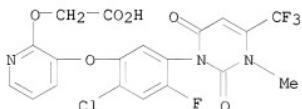
IT 353292-39-4

RL: RCT (Reactant); RACT (Reactant or reagent)

(preparation of tetrahydropyrimidines as stem/leaf desiccants)

RN 353292-39-4 CAPLUS

CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]- (9CI) (CA INDEX NAME)



IT 344419-93-8P 344420-00-4P 344420-02-6P

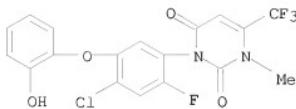
344420-09-3P 344420-46-8P 353292-72-5P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

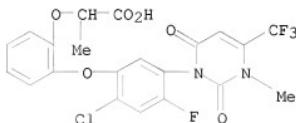
(preparation of tetrahydropyrimidines as stem/leaf desiccants)

RN 344419-93-8 CAPLUS

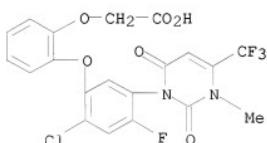
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-hydroxyphenoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



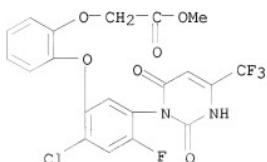
RN 344420-00-4 CAPLUS
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy- (CA INDEX NAME)



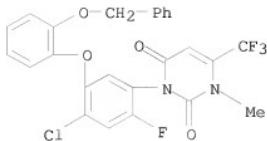
RN 344420-02-6 CAPLUS
 CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]- (9CI) (CA INDEX NAME)



RN 344420-09-3 CAPLUS
 CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)

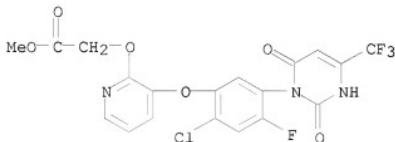


RN 344420-46-8 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-(phenylmethoxy)phenoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 353292-72-5 CAPLUS

CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI)
(CA INDEX NAME)



REFERENCE COUNT: 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 26 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:946033 CAPLUS

DOCUMENT NUMBER: 138:20910

TITLE: Preparation of 3-Methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidine derivatives as plant growth regulators for cotton

INVENTOR(S): Mito, Nobuaki

PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan

SOURCE: PCT Int. Appl., 78 pp.

CODEN: PIXXD2

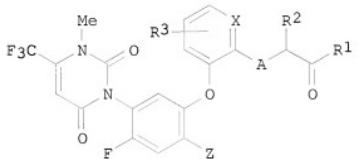
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002098227	A1	20021212	WO 2001-JP4584	20010531
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, KE, KG, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
AU 2001262676	A1	20021216	AU 2001-262676	20010531
AU 2001262676	B2	20070125		
BR 2001017032	A	20040420	BR 2001-17032	20010531
US 2004152597	A1	20040805	US 2003-476511	20031103
US 7115544	B2	20061003		



AB Plant growth regulators for cotton containing as an active ingredient a compound

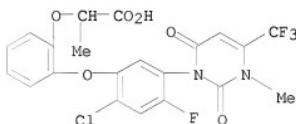
I ($X = \text{CH}_2$, or N ; $Z = \text{halo}$; $A = \text{O}$, S , or NH ; $R1 = \text{OH}$, C1-C7 alkoxyl , C3-C7 alkenyloxy , C5-C7 cycloalkoxy , $[\text{di}(\text{C1-C7 alkoxyl})\text{carbonyl}]\text{C1-C3 alkoxyl}$, $(\text{C1-C7 alkylamino})\text{oxy}$, $[\text{di}(\text{C1-C7 alkyl})\text{amino}]\text{oxy}$, $(\text{C3-C7 alkylideneamino})\text{oxy}$, C1-C7 alkylamino , $\text{di}(\text{C1-C7 alkyl})\text{amino}$, $\text{C3-C7 alkenylamino}$, $\text{C3-C7 alkynylamino}$, $\text{C5-C7 cycloalkylamino}$, $[(\text{C1-C7 alkoxyl})\text{carbonyl}]\text{C1-C3 alkylamino}$, or $(\text{C1-C7 alkoxyl})\text{amino}$; $R2 = \text{H}$, or Me ; $R3 = \text{H}$, halo , C1-C3 alkyl , or C1-C3 alkoxyl) are prepared

IT 344420-00-4P, 2-[2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]propionic acid

RL: AGR (Agricultural use); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation as plant growth regulator for cotton)

RN 344420-00-4 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]- (CA INDEX NAME)



IT 344419-95-0P, Methyl 2-[2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]propionate 344419-97-2P, Ethyl 2-[2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]propionate 344419-98-3P, Methyl[2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]acetate 344419-99-4P, Ethyl[2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]acetate 344420-01-5P, Pentyl 2-[2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-

y]phenoxy]phenoxy]propionate 344420-04-8P, Allyl[2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxyacetate 344420-05-9P
344420-07-1P, Isobutyl[2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]acetate 344420-27-5P 344420-28-6P
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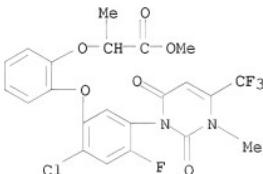
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 477716-16-8P 477716-17-9P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation as plant growth regulator for cotton)

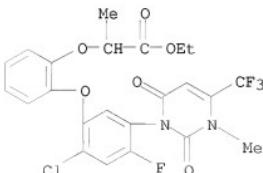
RN 344419-95-0 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (CA INDEX NAME)



RN 344419-97-2 CAPLUS

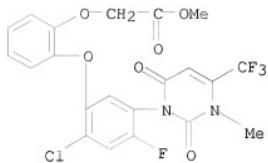
CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (CA INDEX NAME)



RN 344419-98-3 CAPLUS

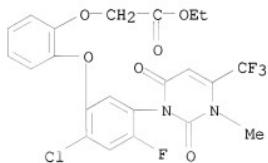
CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl

ester (9CI) (CA INDEX NAME)



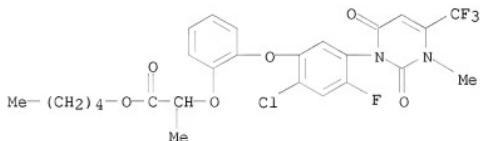
RN 344419-99-4 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (9CI) (CA INDEX NAME)



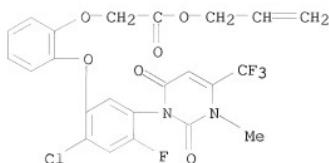
RN 344420-01-5 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, pentyl ester (CA INDEX NAME)



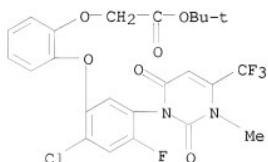
RN 344420-04-8 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 2-propenyl ester (9CI) (CA INDEX NAME)



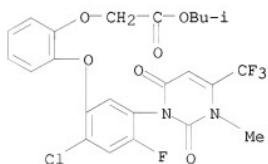
RN 344420-05-9 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



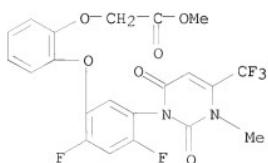
RN 344420-07-1 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 2-methylpropyl ester (9CI) (CA INDEX NAME)

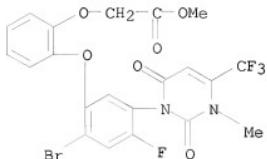


RN 344420-27-5 CAPLUS

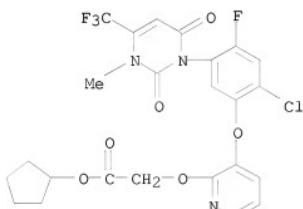
CN Acetic acid, [2-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2,4-difluorophenoxy]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)



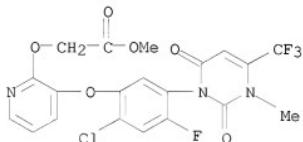
RN 344420-28-6 CAPLUS
CN Acetic acid, [2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)



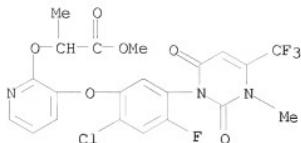
RN 353292-11-2 CAPLUS
CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, cyclopentyl ester (9CI) (CA INDEX NAME)



RN 353292-14-5 CAPLUS
CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)

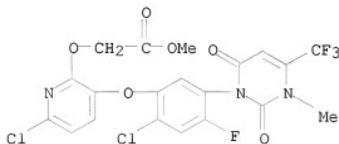


RN 353292-24-7 CAPLUS
CN Propanoic acid, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (CA INDEX NAME)



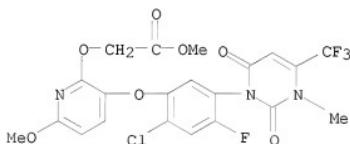
RN 353292-29-2 CAPLUS

CN Acetic acid, [(6-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



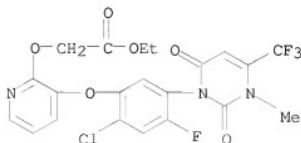
RN 353292-30-5 CAPLUS

CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-methoxy-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 353292-31-6 CAPLUS

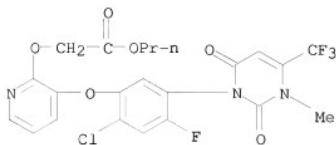
CN Acetic acid, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester (CA INDEX NAME)



RN 353292-32-7 CAPLUS

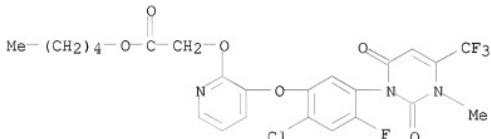
CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-,

propyl ester (9CI) (CA INDEX NAME)



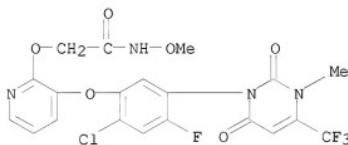
RN 353292-33-8 CAPLUS

CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, pentyl ester (9CI) (CA INDEX NAME)



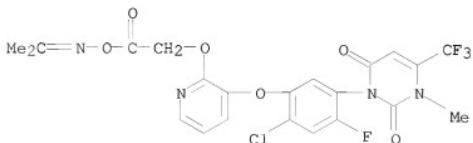
RN 353292-40-7 CAPLUS

CN Acetanide, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-methoxy- (CA INDEX NAME)



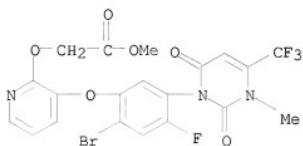
RN 353292-42-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[2-[2-[(1-methylethylidene)amino]oxy]-2-oxoethoxy]-3-pyridinyl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



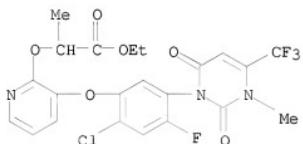
RN 353292-43-0 CAPLUS

CN Acetic acid, [(3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



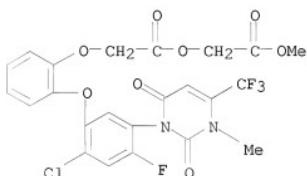
RN 353292-69-0 CAPLUS

CN Propanoic acid, 2-[{3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl}oxy]-, ethyl ester (CA INDEX NAME)



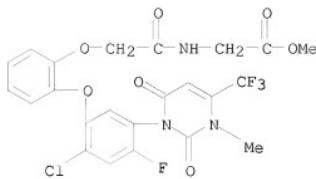
RN 380500-88-9 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 2-methoxy-2-oxoethyl ester (9CI) (CA INDEX NAME)



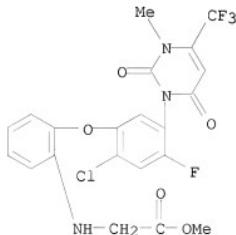
RN 380500-89-0 CAPLUS

CN Glycine, N-[{2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy}acetyl]-, methyl ester (9CI) (CA INDEX NAME)



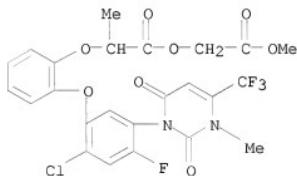
RN 380500-95-8 CAPLUS

CN Glycine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, methyl ester (CA INDEX NAME)



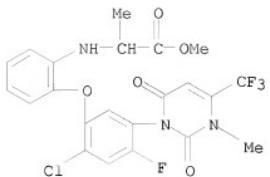
RN 380500-96-9 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, 2-methoxy-2-oxoethyl ester (CA INDEX NAME)



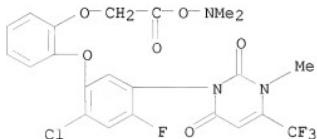
RN 380922-42-9 CAPLUS

CN Alanine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, methyl ester (CA INDEX NAME)



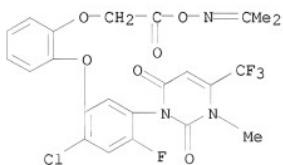
RN 382595-63-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[2-[2-[(dimethylamino)oxy]-2-oxoethoxy]phenoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



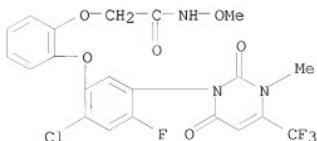
RN 382595-64-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-[2-[(1-methylethylidene)amino]oxy]-2-oxoethoxy]phenoxyphenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

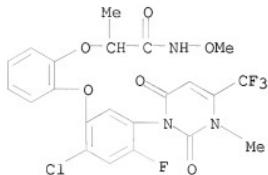


RN 384835-06-7 CAPLUS

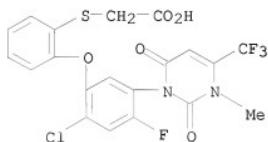
CN Acetamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1-(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-methoxy- (CA INDEX NAME)



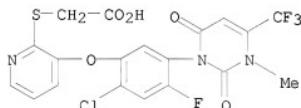
RN 384835-15-8 CAPLUS
CN Propanamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-methoxy-
(CA INDEX NAME)



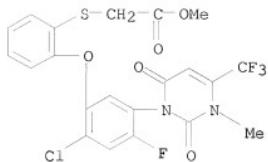
RN 477714-15-1 CAPLUS
CN Acetic acid, {[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl}thio]- (9CI)
(CA INDEX NAME)



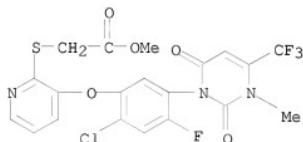
RN 477714-16-2 CAPLUS
CN Acetic acid, {[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl}thio]- (9CI) (CA INDEX NAME)



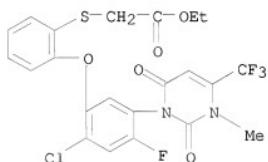
RN 477714-17-3 CAPLUS
CN Acetic acid, {[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl}thio]-, methyl ester (9CI) (CA INDEX NAME)



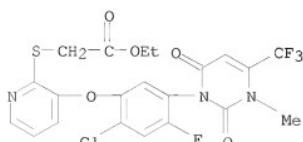
RN 477714-18-4 CAPLUS
 CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]-, methyl ester (9CI) (CA INDEX NAME)



RN 477714-19-5 CAPLUS
 CN Acetic acid, [(2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]thio]-, ethyl ester (9CI) (CA INDEX NAME)

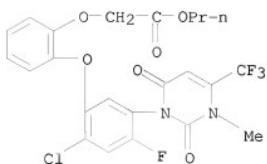


RN 477714-20-8 CAPLUS
 CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]-, ethyl ester (9CI) (CA INDEX NAME)



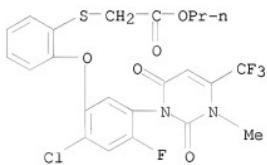
RN 477714-21-9 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1-(2H-pyrimidinyl)-4-fluorophenoxy]phenoxy]-, propyl ester (9CI) (CA INDEX NAME)



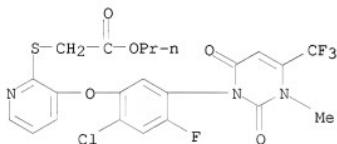
RN 477714-22-0 CAPLUS

CN Acetic acid, [(2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1-(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]thio]-, propyl ester (9CI) (CA INDEX NAME)



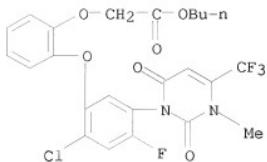
RN 477714-23-1 CAPLUS

CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl)thio]-, propyl ester (9CI) (CA INDEX NAME)



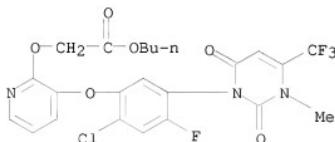
RN 477714-24-2 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy], butyl ester (9CI) (CA INDEX NAME)



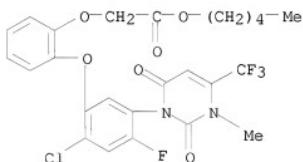
RN 477714-25-3 CAPLUS

CN Acetic acid, [(3-[2-chloro-5-{3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl}-4-fluorophenoxy]-2-pyridinyl]oxy]-, butyl ester (9CI) (CA INDEX NAME)



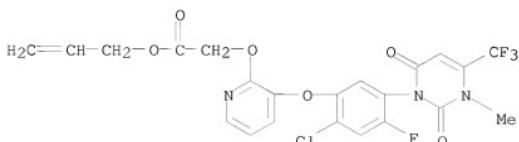
RN 477714-26-4 CAPLUS

CN Acetic acid, [2-[2-chloro-5-{3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl}-4-fluorophenoxy]phenoxy]-, pentyl ester (9CI) (CA INDEX NAME)



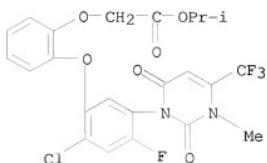
RN 477714-27-5 CAPLUS

CN Acetic acid, [(3-[2-chloro-5-{3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl}-4-fluorophenoxy]-2-pyridinyl]oxy]-, 2-propenyl ester (9CI) (CA INDEX NAME)



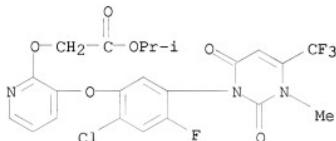
RN 477714-28-6 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 1-methylethyl ester (9CI) (CA INDEX NAME)



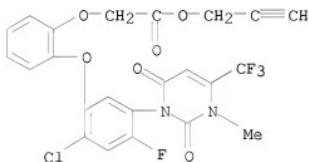
RN 477714-29-7 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, 1-methylethyl ester (9CI) (CA INDEX NAME)



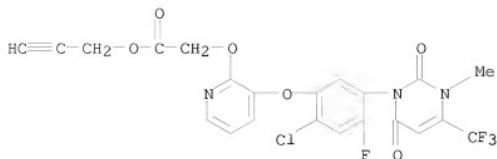
RN 477714-30-0 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 2-propynyl ester (9CI) (CA INDEX NAME)



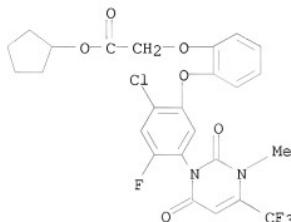
RN 477714-31-1 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, 2-propynyl ester (9CI) (CA INDEX NAME)



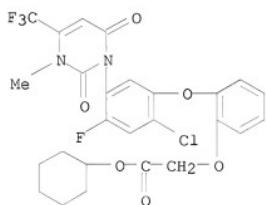
RN 477714-32-2 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-cyclopentyl ester (9CI) (CA INDEX NAME)



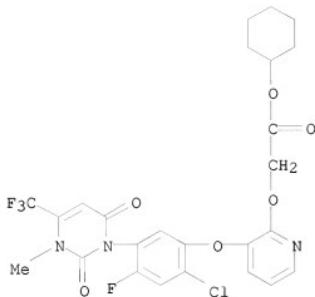
RN 477714-33-3 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-cyclohexyl ester (9CI) (CA INDEX NAME)



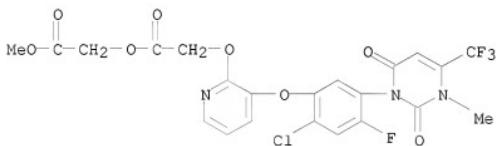
RN 477714-34-4 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-cyclohexyl ester (9CI) (CA INDEX NAME)



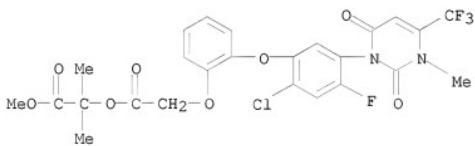
RN 477714-35-5 CAPLUS

CN Acetic acid, [{3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}-2-pyridinyl]oxy]-, 2-methoxy-2-oxoethyl ester (9CI) (CA INDEX NAME)



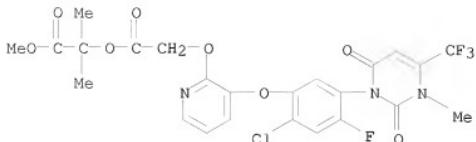
RN 477714-36-6 CAPLUS

CN Propanoic acid, 2-[{[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]acetyl}oxy]-2-methyl-, methyl ester (9CI) (CA INDEX NAME)



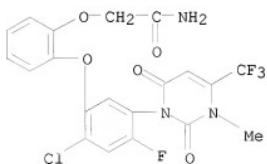
RN 477714-37-7 CAPLUS

CN Propanoic acid, 2-[{[[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}-2-pyridinyl]oxy}acetyl]oxy]-2-methyl-, methyl ester (9CI) (CA INDEX NAME)



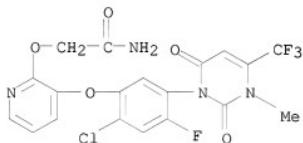
RN 477714-38-8 CAPLUS

CN Acetamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]- (CA INDEX NAME)



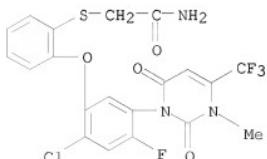
RN 477714-39-9 CAPLUS

CN Acetamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl oxy- (CA INDEX NAME)



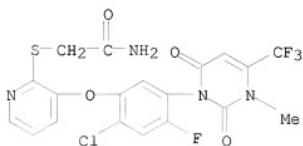
RN 477714-40-2 CAPLUS

CN Acetamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenylthio- (CA INDEX NAME)



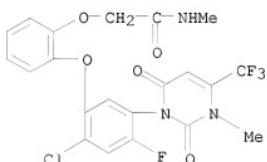
RN 477714-41-3 CAPLUS

CN Acetamide, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio)-(CA INDEX NAME)



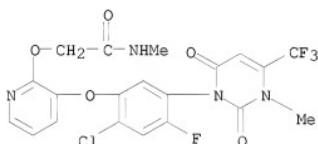
RN 477714-42-4 CAPLUS

CN Acetamide, 2-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)phenoxy]-N-methyl-(CA INDEX NAME)



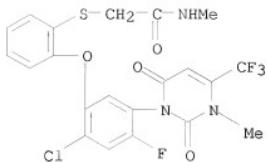
RN 477714-43-5 CAPLUS

CN Acetamide, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)-2-pyridinyl]oxy]-N-methyl-(CA INDEX NAME)

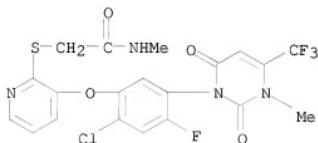


RN 477714-44-6 CAPLUS

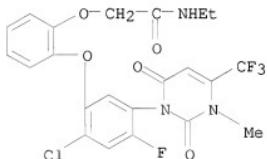
CN Acetamide, 2-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxyphenyl]thio)-N-methyl-(CA INDEX NAME)



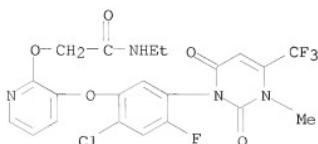
RN 477714-45-7 CAPLUS
 CN Acetamide, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]-N-methyl- (CA INDEX NAME)



RN 477714-46-8 CAPLUS
 CN Acetamide, 2-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)phenoxy]-N-ethyl- (CA INDEX NAME)

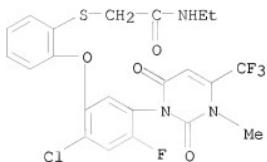


RN 477714-47-9 CAPLUS
 CN Acetamide, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-ethyl- (CA INDEX NAME)



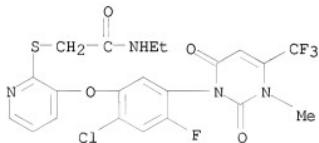
RN 477714-48-0 CAPLUS

CN Acetamide, 2-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-N-ethyl-
(CA INDEX NAME)



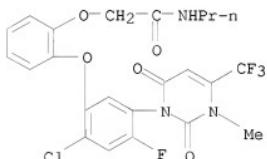
RN 477714-49-1 CAPLUS

CN Acetamide, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]-N-ethyl-
(CA INDEX NAME)



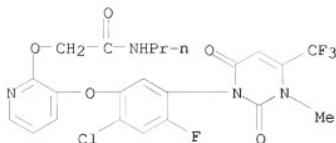
RN 477714-50-4 CAPLUS

CN Acetamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-propyl-
(CA INDEX NAME)

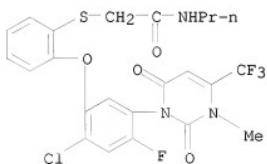


RN 477714-51-5 CAPLUS

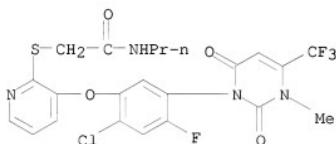
CN Acetamide, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl)oxy]-N-
propyl- (CA INDEX NAME)



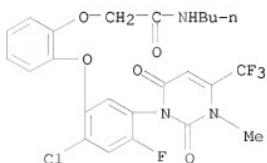
RN 477714-52-6 CAPLUS
 CN Acetanide, 2-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)phenyl]thio]-N-propyl- (CA INDEX NAME)



RN 477714-53-7 CAPLUS
 CN Acetanide, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]-N-propyl- (CA INDEX NAME)

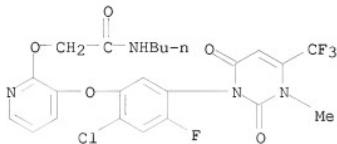


RN 477714-54-8 CAPLUS
 CN Acetanide, N-butyl-2-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)phenoxy]- (CA INDEX NAME)



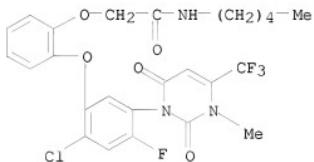
RN 477714-55-9 CAPLUS

CN Acetamide, N-butyl-2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-
(CA INDEX NAME)



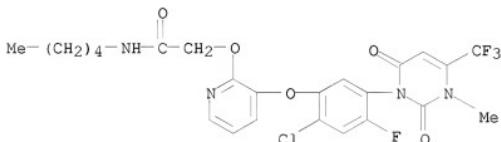
RN 477714-56-0 CAPLUS

CN Acetamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxylpentyl-
(CA INDEX NAME)



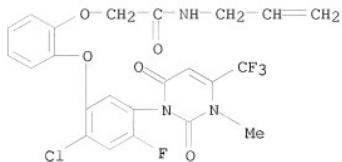
RN 477714-57-1 CAPLUS

CN Acetamide, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-pentyl-
(CA INDEX NAME)

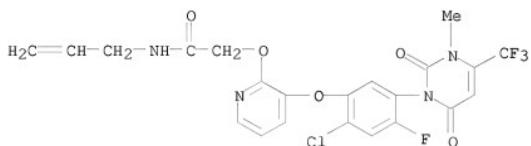


RN 477714-58-2 CAPLUS

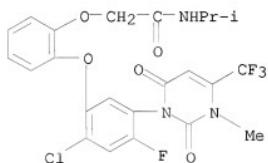
CN Acetamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxyl-2-propenyl-
(9CI) (CA INDEX NAME)



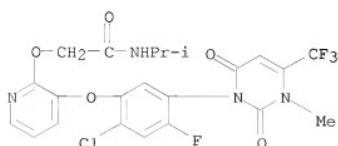
RN 477714-59-3 CAPLUS
 CN Acetamide, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-2-propenyl- (9CI) (CA INDEX NAME)



RN 477714-60-6 CAPLUS
 CN Acetamide, 2-[2-(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)phenoxy]-N-(1-methylethyl)- (CA INDEX NAME)

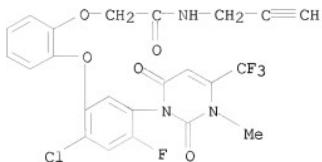


RN 477714-61-7 CAPLUS
 CN Acetamide, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-(1-methylethyl)- (CA INDEX NAME)



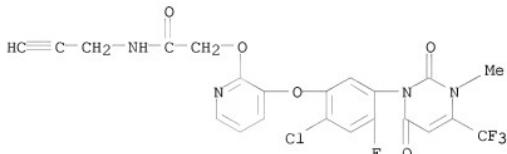
RN 477714-62-8 CAPLUS

CN Acetamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-2-propynyl- (9CI) (CA INDEX NAME)



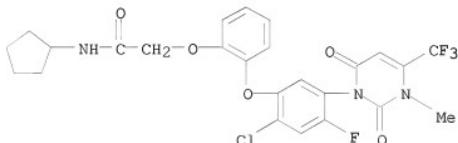
RN 477714-63-9 CAPLUS

CN Acetamide, 2-[{3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl}oxy]-N-2-propynyl- (9CI) (CA INDEX NAME)



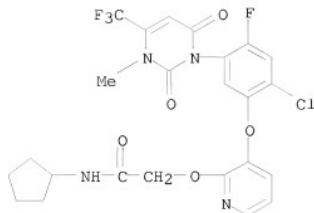
RN 477714-64-0 CAPLUS

CN Acetamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-cyclopentyl- (CA INDEX NAME)



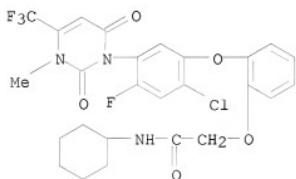
RN 477714-65-1 CAPLUS

CN Acetamide, 2-[{3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl}oxy]-N-cyclopentyl- (CA INDEX NAME)



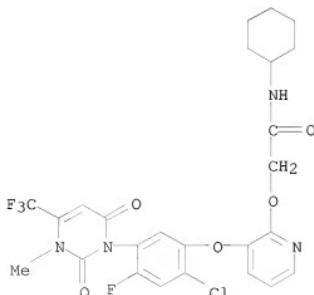
RN 477714-66-2 CAPLUS

CN Acetanide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]N-cyclohexyl- (CA INDEX NAME)



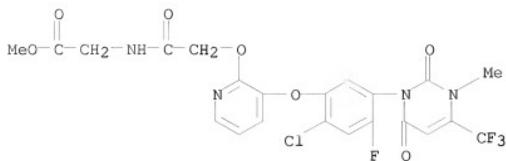
RN 477714-67-3 CAPLUS

CN Acetanide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl oxy]N-cyclohexyl- (CA INDEX NAME)



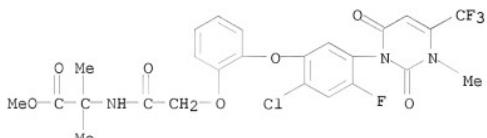
RN 477714-68-4 CAPLUS

CN Glycine, N-[{[3-{[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}-2-pyridinyl]oxy}acetyl]-, methyl ester (9CI) (CA INDEX NAME)



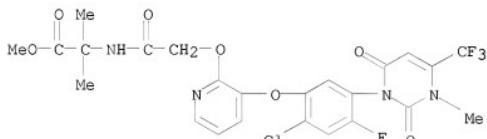
RN 477714-69-5 CAPLUS

CN Alanine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetyl]-2-methyl-, methyl ester (9CI) (CA INDEX NAME)



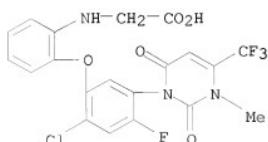
RN 477714-70-8 CAPLUS

CN Alanine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]acetyl]-2-methyl-, methyl ester (9CI) (CA INDEX NAME)



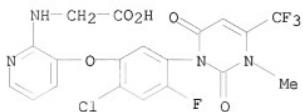
RN 477714-71-9 CAPLUS

CN Glycine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]- (CA INDEX NAME)



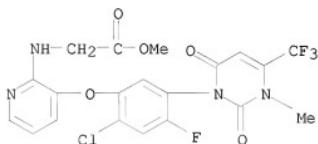
RN 477714-72-0 CAPLUS

CN Glycine, N-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]- (CA INDEX NAME)



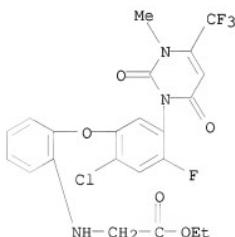
RN 477714-73-1 CAPLUS

CN Glycine, N-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]-, methyl ester (CA INDEX NAME)



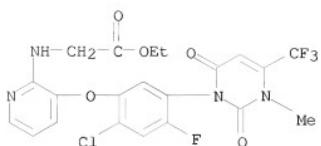
RN 477714-74-2 CAPLUS

CN Glycine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, ethyl ester (CA INDEX NAME)

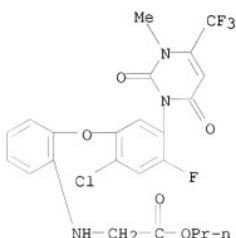


RN 477714-75-3 CAPLUS

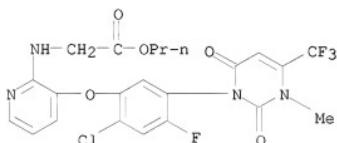
CN Glycine, N-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]-, ethyl ester (CA INDEX NAME)



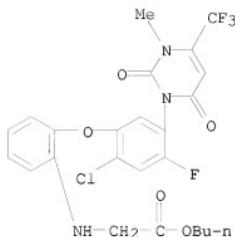
RN 477714-76-4 CAPLUS
 CN Glycine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, propyl ester (CA INDEX NAME)



RN 477714-77-5 CAPLUS
 CN Glycine, N-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]-, propyl ester (CA INDEX NAME)

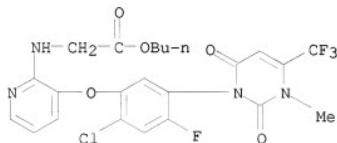


RN 477714-78-6 CAPLUS
 CN Glycine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, butyl ester (CA INDEX NAME)



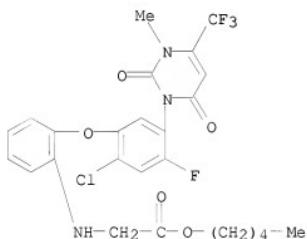
RN 477714-79-7 CAPLUS

CN Glycine, N-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]-, butyl ester (CA INDEX NAME)



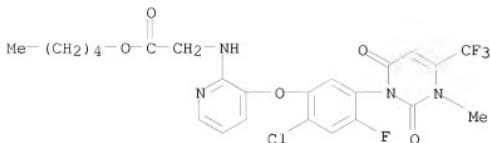
RN 477714-80-0 CAPLUS

CN Glycine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, pentyl ester (CA INDEX NAME)

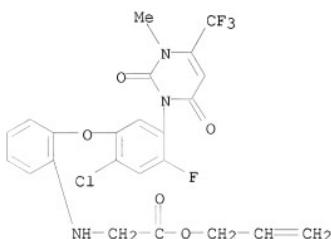


RN 477714-81-1 CAPLUS

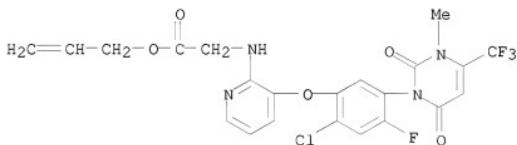
CN Glycine, N-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]-, pentyloxy ester (CA INDEX NAME)



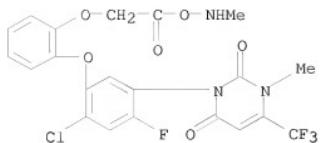
RN 477714-82-2 CAPLUS
 CN Glycine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, 2-propenyl ester (9CI) (CA INDEX NAME)



RN 477714-83-3 CAPLUS
 CN Glycine, N-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]-, 2-propenyl ester (9CI) (CA INDEX NAME)

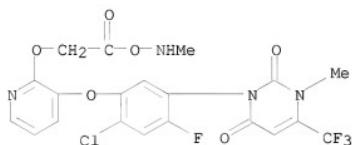


RN 477714-84-4 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-[2-[(methylamino)oxy]-2-oxoethoxy]phenoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



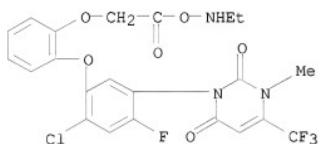
RN 477714-85-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-[(methylamino)oxy]-2-oxoethoxy)-3-pyridinyl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



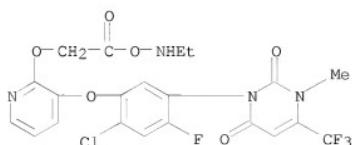
RN 477714-86-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(2-[(ethylamino)oxy]-2-oxoethoxy)phenoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 477714-87-7 CAPLUS

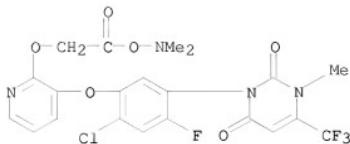
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(2-[(ethylamino)oxy]-2-oxoethoxy)-3-pyridinyl]oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 477714-88-8 CAPLUS

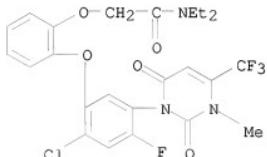
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(2-[(dimethylamino)oxy]-2-oxoethoxy)-3-pyridinyl]oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

(9CI) (CA INDEX NAME)



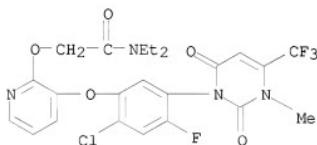
RN 477714-89-9 CAPLUS

CN Acetamide, 2-[2-(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxyl-N,N-diethyl- (CA INDEX NAME)



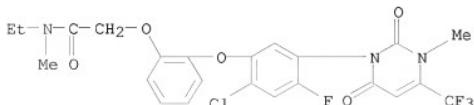
RN 477714-90-2 CAPLUS

CN Acetamide, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]2-pyridinyl)oxy]-N,N-diethyl- (CA INDEX NAME)



RN 477714-91-3 CAPLUS

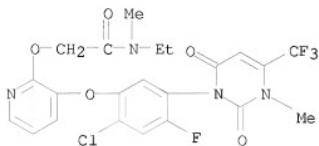
CN Acetamide, 2-[2-(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxyl-N-ethyl-N-methyl- (CA INDEX NAME)



RN 477714-92-4 CAPLUS

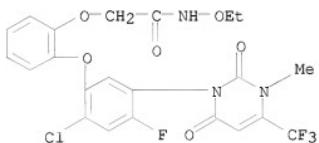
CN Acetamide, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-ethyl-N-methyl- (CA INDEX NAME)



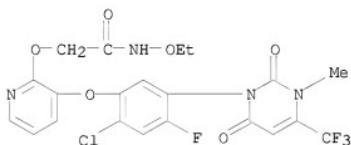
RN 477714-93-5 CAPLUS

CN Acetamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-ethoxy- (CA INDEX NAME)



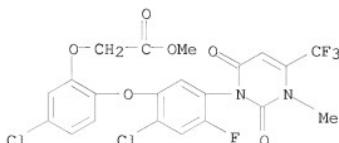
RN 477714-94-6 CAPLUS

CN Acetamide, 2-[{3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}-2-pyridinyl]oxy]-N-ethoxy- (CA INDEX NAME)

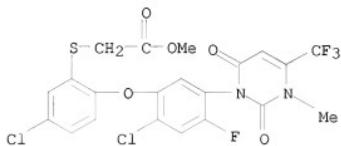


RN 477714-95-7 CAPLUS

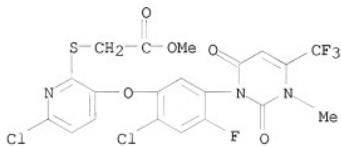
CN Acetic acid, [5-chloro-2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)



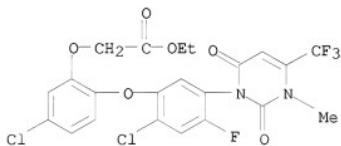
RN 477714-96-8 CAPLUS
CN Acetic acid, [[5-chloro-2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]thio]-, methyl ester (9CI) (CA INDEX NAME)



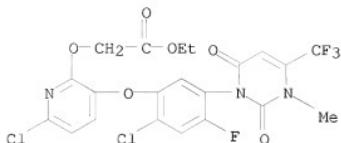
RN 477714-97-9 CAPLUS
CN Acetic acid, [[6-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]-, methyl ester (9CI) (CA INDEX NAME)



RN 477714-98-0 CAPLUS
CN Acetic acid, [5-chloro-2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (9CI) (CA INDEX NAME)

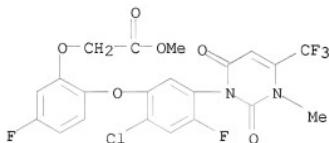


RN 477714-99-1 CAPLUS
CN Acetic acid, [[6-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester (9CI) (CA INDEX NAME)



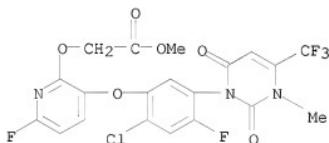
RN 477715-00-7 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-5-fluorophenoxy]-, methyl ester (9CI) (CA INDEX NAME)



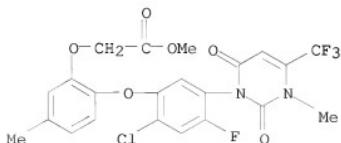
RN 477715-01-8 CAPLUS

CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-fluoro-2-pyridinyl)oxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 477715-02-9 CAPLUS

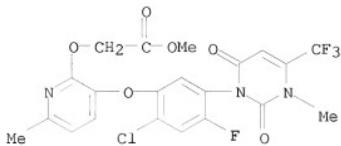
CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-5-methylphenoxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 477715-03-0 CAPLUS

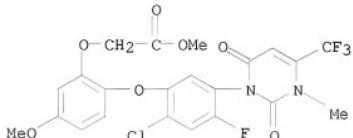
CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-methyl-2-

pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



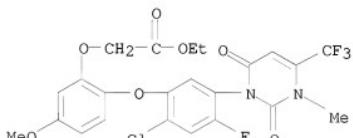
RN 477715-04-1 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-5-methoxyphenoxy]-, methyl ester (9CI) (CA INDEX NAME)



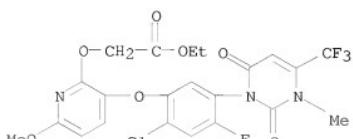
RN 477715-05-2 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-5-methoxyphenoxy]-, ethyl ester (9CI) (CA INDEX NAME)



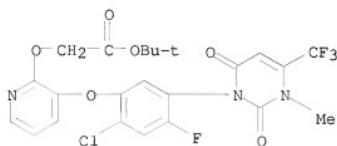
RN 477715-06-3 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-methoxy-2-pyridinyl]oxy]-, ethyl ester (9CI) (CA INDEX NAME)



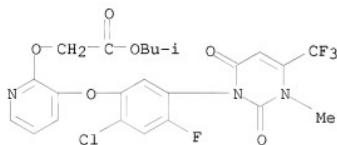
RN 477715-07-4 CAPLUS

CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, 1,1-dimethylethyl ester (9CI) (CA INDEX NAME)



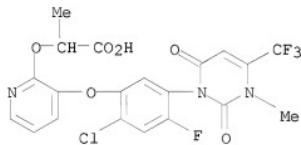
RN 477715-08-5 CAPLUS

CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, 2-methylpropyl ester (9CI) (CA INDEX NAME)



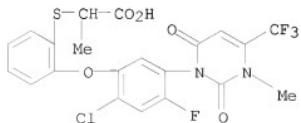
RN 477715-09-6 CAPLUS

CN Propanoic acid, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]- (CA INDEX NAME)

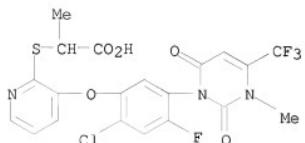


RN 477715-10-9 CAPLUS

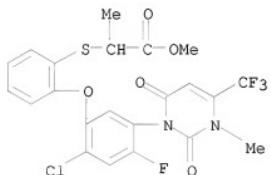
CN Propanoic acid, 2-[(2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]thio]- (CA INDEX NAME)



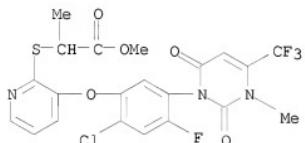
RN 477715-11-0 CAPLUS
CN Propanoic acid, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]-(CA INDEX NAME)



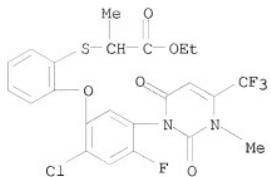
RN 477715-12-1 CAPLUS
CN Propanoic acid, 2-[(2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]thio]-, methyl ester (CA INDEX NAME)



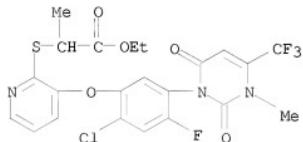
RN 477715-13-2 CAPLUS
CN Propanoic acid, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]-, methyl ester (CA INDEX NAME)



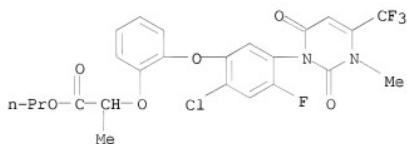
RN 477715-14-3 CAPLUS
CN Propanoic acid, 2-[(2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]thio]-, ethyl ester (CA INDEX NAME)



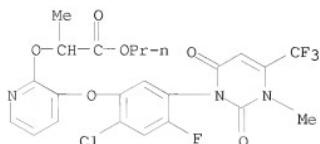
RN 477715-15-4 CAPLUS
 CN Propanoic acid, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]-, ethyl ester (CA INDEX NAME)



RN 477715-16-5 CAPLUS
 CN Propanoic acid, 2-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)phenoxy]-, propyl ester (CA INDEX NAME)

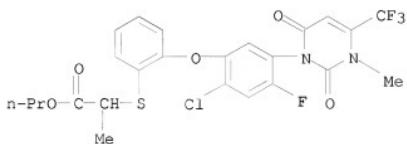


RN 477715-17-6 CAPLUS
 CN Propanoic acid, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl)oxy]-, propyl ester (CA INDEX NAME)



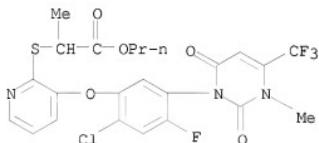
RN 477715-18-7 CAPLUS

CN Propanoic acid, 2-[{2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl}thio]-, propyl ester (CA INDEX NAME)



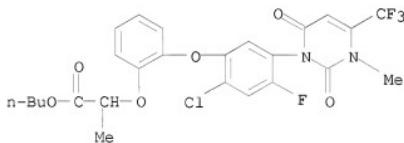
RN 477715-19-8 CAPLUS

CN Propanoic acid, 2-[{3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}-2-pyridinyl]thio]-, propyl ester (CA INDEX NAME)



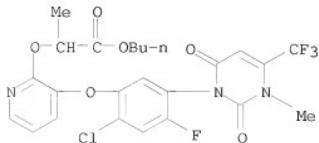
RN 477715-20-1 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, butyl ester (CA INDEX NAME)



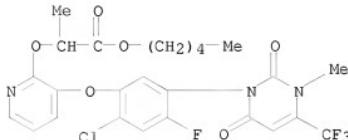
RN 477715-21-2 CAPLUS

CN Propanoic acid, 2-[{3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}-2-pyridinyl]oxy]-, butyl ester (CA INDEX NAME)



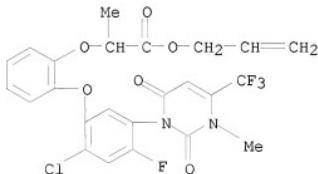
RN 477715-22-3 CAPLUS

CN Propanoic acid, 2-[{3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl}oxy]-, pentyl ester (CA INDEX NAME)



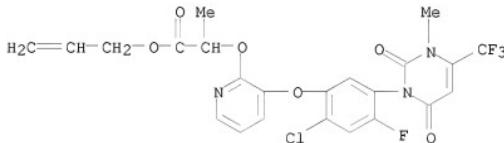
RN 477715-23-4 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 2-propenyl ester (9CI) (CA INDEX NAME)



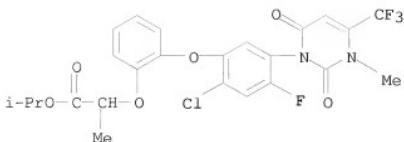
RN 477715-24-5 CAPLUS

CN Propanoic acid, 2-[{3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl}oxy]-, 2-propenyl ester (9CI) (CA INDEX NAME)



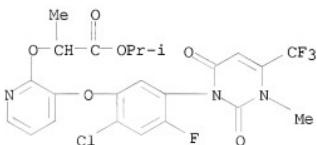
RN 477715-25-6 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 1-methylethyl ester (CA INDEX NAME)



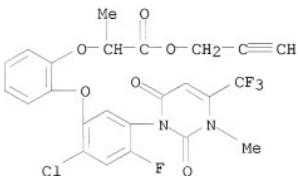
RN 477715-26-7 CAPLUS

CN Propanoic acid, 2-[{3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}-2-pyridinyl]oxy]-, 1-methylethyl ester (CA INDEX NAME)



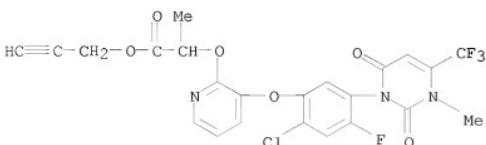
RN 477715-27-8 CAPLUS

CN Propanoic acid, 2-[{2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}phenoxy]-, 2-propynyl ester (RCI) (CA INDEX NAME)



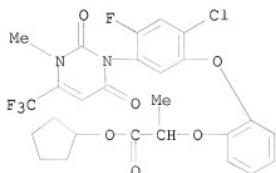
RN 477715-28-9 CAPLUS

CN Propanoic acid, 2-[{3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}-2-pyridinyl]oxy]-, 2-propynyl ester (RCI) (CA INDEX NAME)



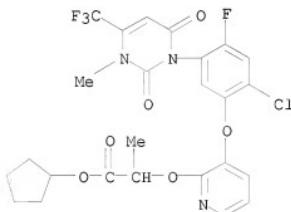
RN 477715-29-0 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, cyclopentyl ester (CA INDEX NAME)



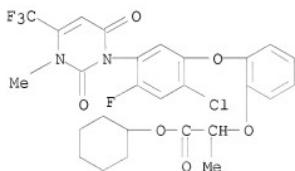
RN 477715-30-3 CAPLUS

CN Propanoic acid, 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, cyclopentyl ester (CA INDEX NAME)



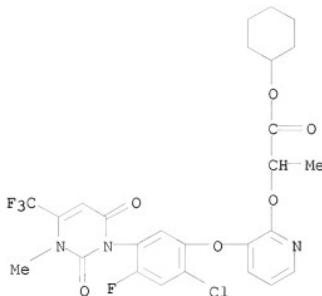
RN 477715-31-4 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, cyclohexyl ester (CA INDEX NAME)



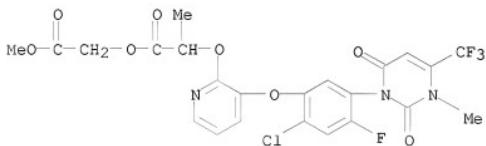
RN 477715-32-5 CAPLUS

CN Propanoic acid, 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, cyclohexyl ester (CA INDEX NAME)



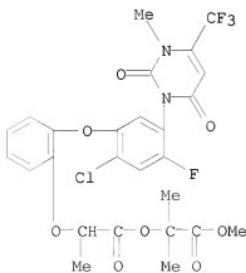
RN 477715-33-6 CAPLUS

CN Propanoic acid, 2-[{3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl}oxy]-, 2-methoxy-2-oxoethyl ester (CA INDEX NAME)



RN 477715-34-7 CAPLUS

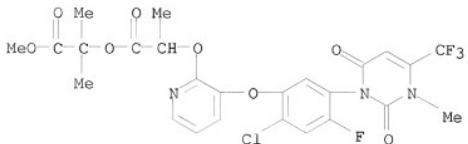
CN Propanoic acid, 2-[2-{2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}phenoxy]-1-oxopropoxy]-2-methyl-, methyl ester (CA INDEX NAME)



RN 477715-35-8 CAPLUS

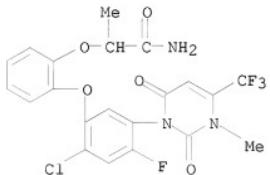
CN Propanoic acid, 2-[2-{3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl}oxy]-1-

oxopropoxy]-2-methyl-, methyl ester (CA INDEX NAME)



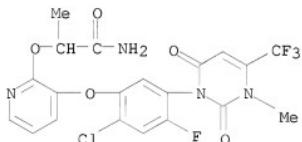
RN 477715-36-9 CAPLUS

CN Propanamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]- (CA INDEX NAME)



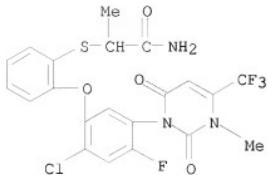
RN 477715-37-0 CAPLUS

CN Propanamide, 2-[{3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl}oxy]- (CA INDEX NAME)



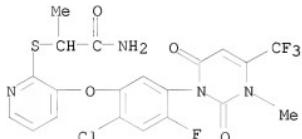
RN 477715-38-1 CAPLUS

CN Propanamide, 2-[{2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl}thio]- (CA INDEX NAME)



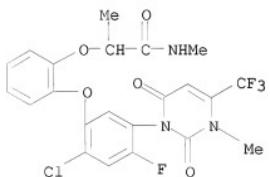
RN 477715-39-2 CAPLUS

CN Propanamide, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]-
(CA INDEX NAME)



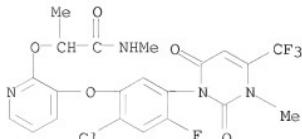
RN 477715-40-5 CAPLUS

CN Propanamide, 2-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)phenoxy]-N-methyl-
(CA INDEX NAME)

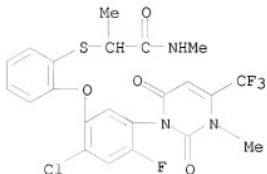


RN 477715-41-6 CAPLUS

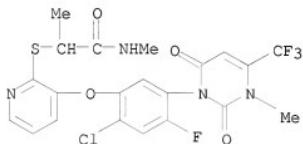
CN Propanamide, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl)oxy]-N-methyl-
(CA INDEX NAME)



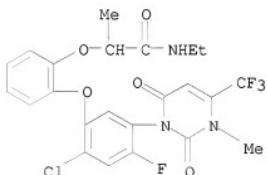
RN 477715-42-7 CAPLUS
CN Propanamide, 2-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]thio]-N-methyl- (CA INDEX NAME)



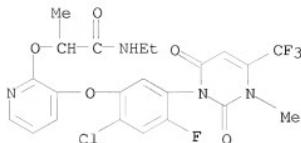
RN 477715-43-8 CAPLUS
CN Propanamide, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl)thio]-N-methyl- (CA INDEX NAME)



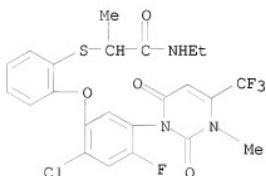
RN 477715-44-9 CAPLUS
CN Propanamide, 2-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)phenoxy]-N-ethyl- (CA INDEX NAME)



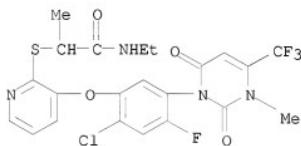
RN 477715-45-0 CAPLUS
CN Propanamide, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl)oxy]-N-ethyl- (CA INDEX NAME)



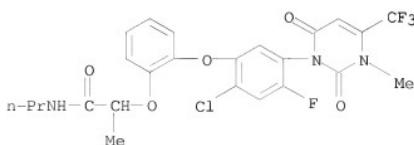
RN 477715-46-1 CAPLUS
 CN Propanamide, 2-[{2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}phenyl]thio]-N-ethyl-
 (CA INDEX NAME)



RN 477715-47-2 CAPLUS
 CN Propanamide, 2-[{3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}-2-pyridinyl]thio]-N-ethyl-
 (CA INDEX NAME)

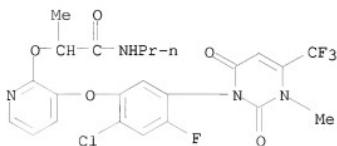


RN 477715-48-3 CAPLUS
 CN Propanamide, 2-[{2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}phenoxy]-N-propyl-
 (CA INDEX NAME)



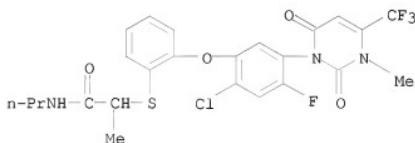
RN 477715-49-4 CAPLUS

CN Propanamide, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-propyl- (CA INDEX NAME)



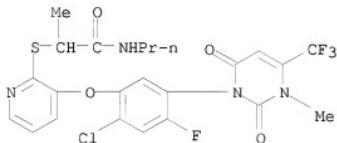
RN 477715-50-7 CAPLUS

CN Propanamide, 2-[(2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl)thio]-N-propyl- (CA INDEX NAME)



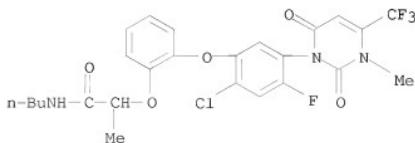
RN 477715-51-8 CAPLUS

CN Propanamide, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl)thio]-N-propyl- (CA INDEX NAME)



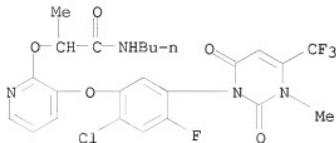
RN 477715-52-9 CAPLUS

CN Propanamide, N-butyl-2-[(2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)- (CA INDEX NAME)



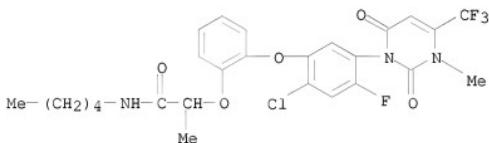
RN 477715-53-0 CAPLUS

CN Propanamide, N-butyl-2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-
(CA INDEX NAME)



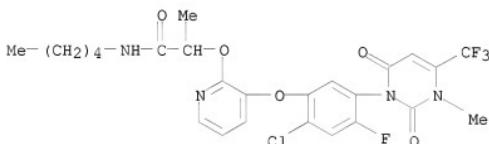
RN 477715-54-1 CAPLUS

CN Propanamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-pentyl-
(CA INDEX NAME)



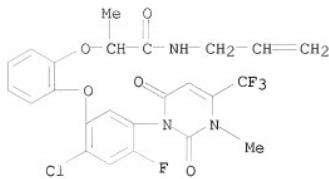
RN 477715-55-2 CAPLUS

CN Propanamide, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-pentyl-
(CA INDEX NAME)

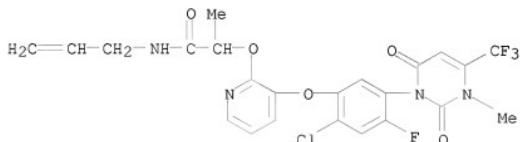


RN 477715-56-3 CAPLUS

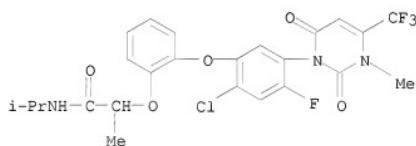
CN Propanamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-2-propenyl-
(9CI) (CA INDEX NAME)



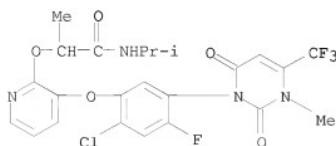
RN 477715-57-4 CAPLUS
 CN Propanamide, 2-[{3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}-2-pyridinyl]oxy]-N-(2-propenyl)- (9CI) (CA INDEX NAME)



RN 477715-58-5 CAPLUS
 CN Propanamide, 2-[{2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}phenoxy]-N-(1-methylethyl)- (9CI) (CA INDEX NAME)

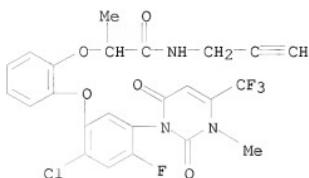


RN 477715-59-6 CAPLUS
 CN Propanamide, 2-[{3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}-2-pyridinyl]oxy]-N-(1-methylethyl)- (9CI) (CA INDEX NAME)



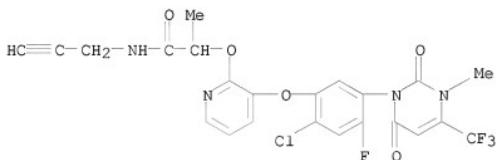
RN 477715-60-9 CAPLUS

CN Propanamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-2-propynyl- (9CI) (CA INDEX NAME)



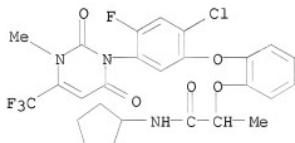
RN 477715-61-0 CAPLUS

CN Propanamide, 2-[{3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl}oxy]-N-2-propynyl- (9CI) (CA INDEX NAME)



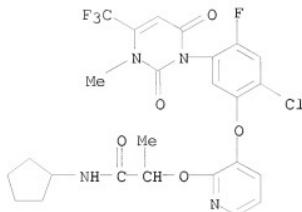
RN 477715-62-1 CAPLUS

CN Propanamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-cyclopentyl- (CA INDEX NAME)



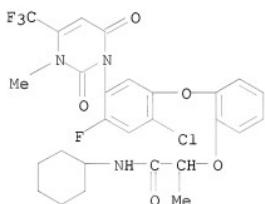
RN 477715-63-2 CAPLUS

CN Propanamide, 2-[{3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl}oxy]-N-cyclopentyl- (CA INDEX NAME)



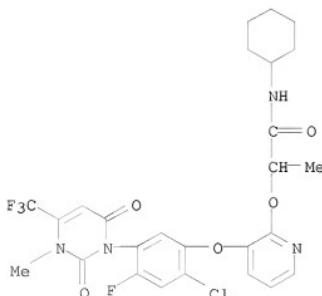
RN 477715-64-3 CAPLUS

CN Propanamide, 2-[{2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}phenoxy]-N-cyclohexyl-
(CA INDEX NAME)



RN 477715-65-4 CAPLUS

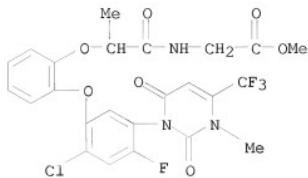
CN Propanamide, 2-[{3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}-2-pyridinyl]oxy]-N-cyclohexyl-
(CA INDEX NAME)



RN 477715-66-5 CAPLUS

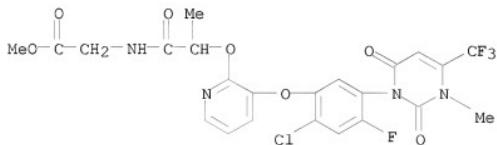
CN Glycine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-1-oxopropyl-
(CA INDEX NAME)

, methyl ester (CA INDEX NAME)



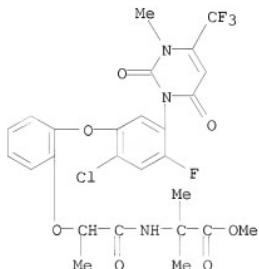
RN 477715-67-6 CAPLUS

CN Glycine, N-[2-[{3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-1-oxopropyl-, methyl ester (CA INDEX NAME)



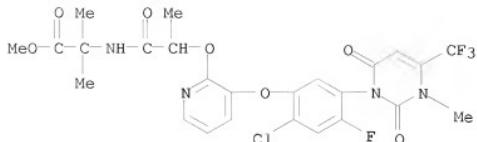
RN 477715-68-7 CAPLUS

CN Alanine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-1-oxopropyl-2-methyl-, methyl ester (CA INDEX NAME)

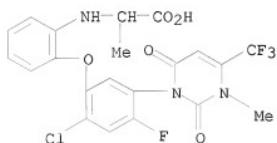


RN 477715-69-8 CAPLUS

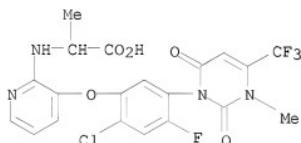
CN Alanine, N-[2-[{2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-1-oxopropyl-2-methyl-, methyl ester (CA INDEX NAME)



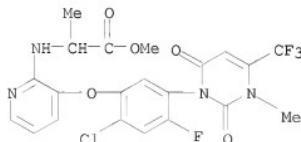
RN 477715-70-1 CAPLUS
 CN Alanine, N-[2-(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)phenyl]- (CA INDEX NAME)



RN 477715-71-2 CAPLUS
 CN Alanine, N-[3-(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)-2-pyridinyl]- (CA INDEX NAME)

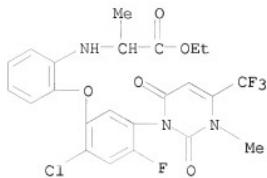


RN 477715-72-3 CAPLUS
 CN Alanine, N-[3-(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)-2-pyridinyl]-, methyl ester (CA INDEX NAME)



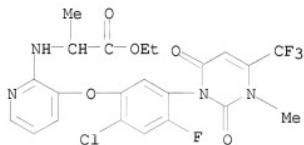
RN 477715-73-4 CAPLUS
 CN Alanine, N-[2-(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)phenyl]-, ethyl ester

(CA INDEX NAME)



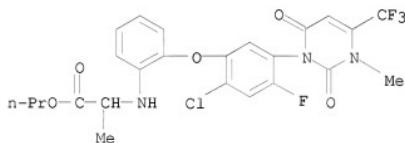
RN 477715-74-5 CAPLUS

CN Alanine, N-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]-, ethyl ester (CA INDEX NAME)



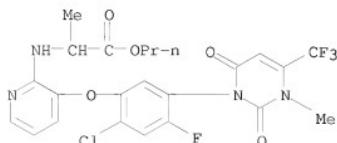
RN 477715-75-6 CAPLUS

CN Alanine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, propyl ester (CA INDEX NAME)

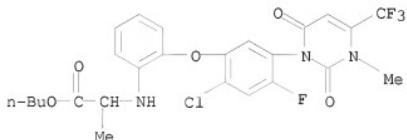


RN 477715-76-7 CAPLUS

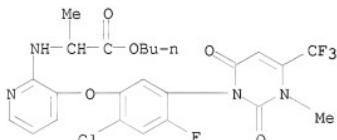
CN Alanine, N-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]-, propyl ester (CA INDEX NAME)



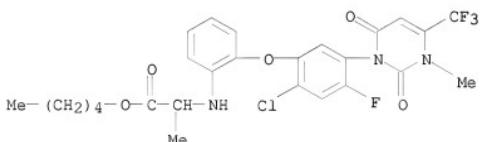
RN 477715-77-8 CAPLUS
CN Alanine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, butyl ester
(CA INDEX NAME)



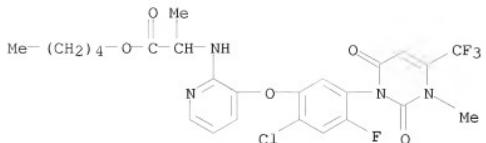
RN 477715-78-9 CAPLUS
CN Alanine, N-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]-, butyl ester
(CA INDEX NAME)



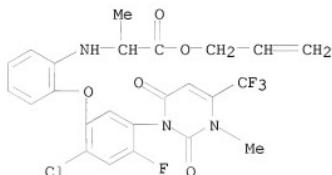
RN 477715-79-0 CAPLUS
CN Alanine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, pentyl ester
(CA INDEX NAME)



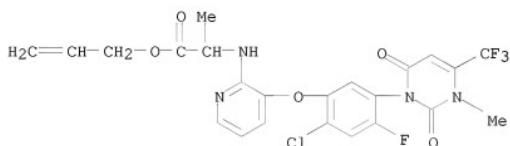
RN 477715-80-3 CAPLUS
CN Alanine, N-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]-, pentyl ester
(CA INDEX NAME)



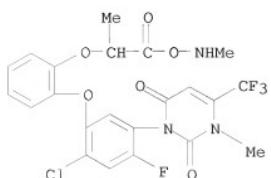
RN 477715-81-4 CAPLUS
 CN Alanine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, 2-propenyl ester (9CI) (CA INDEX NAME)



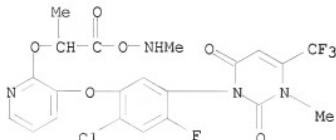
RN 477715-82-5 CAPLUS
 CN Alanine, N-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]-, 2-propenyl ester (9CI) (CA INDEX NAME)



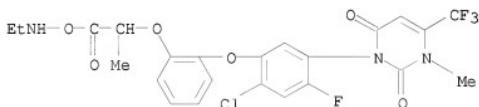
RN 477715-83-6 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-[1-methyl-2-[(methylamino)oxy]-2-oxethoxy]phenoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



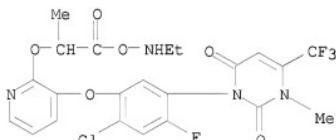
RN 477715-84-7 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[2-[1-methyl-2-(methylamino)oxy]-2-oxoethoxy]-3-pyridinyl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



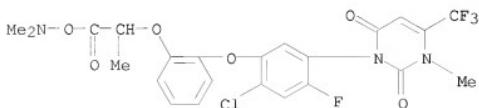
RN 477715-85-8 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[2-[2-[(ethylamino)oxy]-1-methyl-2-oxoethoxy]phenoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 477715-86-9 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[[2-[2-[(ethylamino)oxy]-1-methyl-2-oxoethoxy]-3-pyridinyl]oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)

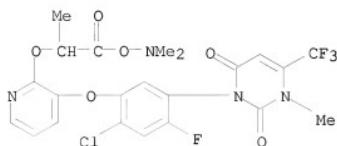


RN 477715-87-0 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[2-[2-[(dimethylamino)oxy]-1-methyl-2-oxoethoxy]phenoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



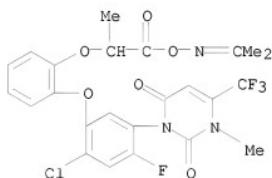
RN 477715-88-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(2-[2-[(dimethylamino)oxy]-1-methyl-2-oxoethoxy]-3-pyridinyl]oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



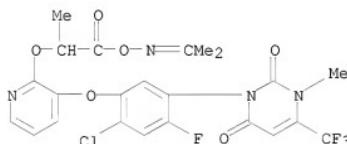
RN 477715-89-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-[(1-methyl-2-[(1-methylethylidene)amino]oxy)-2-oxoethoxy]phenoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



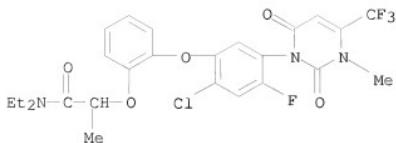
RN 477715-90-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(2-[(1-methyl-2-[(1-methylethylidene)amino]oxy)-2-oxoethoxy]-3-pyridinyl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

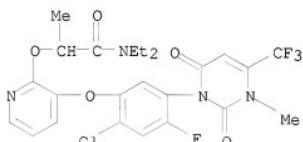


RN 477715-91-6 CAPLUS

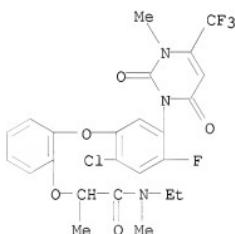
CN Propanamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N,N-diethyl- (CA INDEX NAME)



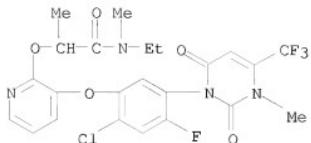
RN 477715-92-7 CAPLUS
 CN Propanamide, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl)oxy]-N,N-diethyl- (CA INDEX NAME)



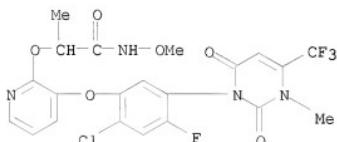
RN 477715-93-8 CAPLUS
 CN Propanamide, 2-[(2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy)-N-ethyl-N-methyl- (CA INDEX NAME)



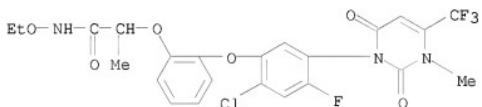
RN 477715-94-9 CAPLUS
 CN Propanamide, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl)oxy]-N-ethyl-N-methyl- (CA INDEX NAME)



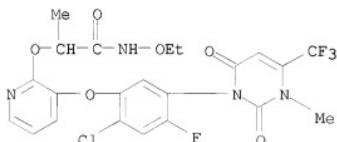
RN 477715-95-0 CAPLUS
 CN Propanamide, 2-[{3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}-2-pyridinyl]oxy]-N-methoxy- (CA INDEX NAME)



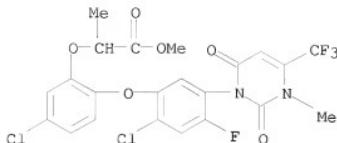
RN 477715-96-1 CAPLUS
 CN Propanamide, 2-[{2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}phenoxy]-N-ethoxy- (CA INDEX NAME)



RN 477715-97-2 CAPLUS
 CN Propanamide, 2-[{3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}-2-pyridinyl]oxy]-N-ethoxy- (CA INDEX NAME)

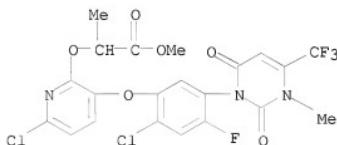


RN 477715-98-3 CAPLUS
 CN Propanoic acid, 2-[{2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}phenoxy]-methyl ester (CA INDEX NAME)



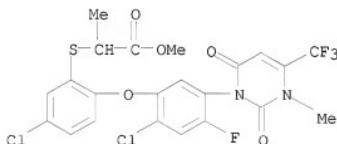
RN 477715-99-4 CAPLUS

CN Propanoic acid, 2-[6-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (CA INDEX NAME)



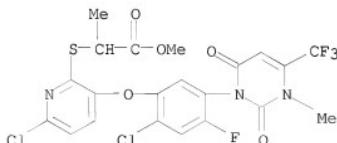
RN 477716-00-0 CAPLUS

CN Propanoic acid, 2-[5-chloro-2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]thio]-, methyl ester (CA INDEX NAME)



RN 477716-01-1 CAPLUS

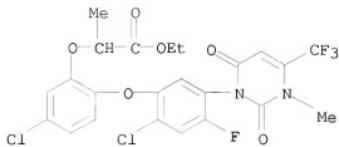
CN Propanoic acid, 2-[6-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]thio]-, methyl ester (CA INDEX NAME)



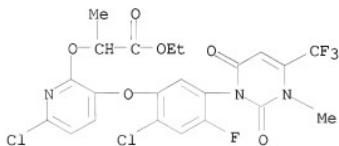
RN 477716-02-2 CAPLUS

CN Propanoic acid, 2-[5-chloro-2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]thio]-, ethyl

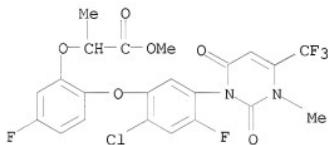
ester (CA INDEX NAME)



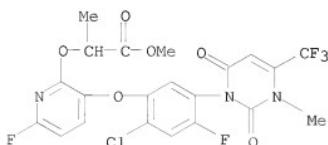
RN 477716-03-3 CAPLUS
CN Propanoic acid, 2-[6-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester (CA INDEX NAME)



RN 477716-04-4 CAPLUS
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-5-fluorophenoxy]-, methyl ester (CA INDEX NAME)

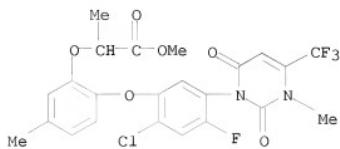


RN 477716-05-5 CAPLUS
CN Propanoic acid, 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-fluoro-2-pyridinyl]oxy]-, methyl ester (CA INDEX NAME)



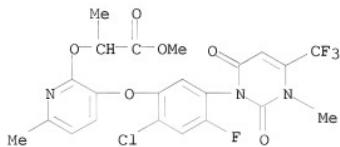
RN 477716-06-6 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-5-methylphenoxy]-, methyl ester (CA INDEX NAME)



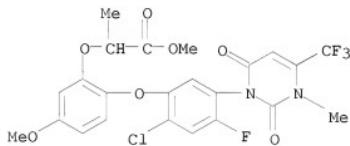
RN 477716-07-7 CAPLUS

CN Propanoic acid, 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-methyl-2-pyridinyl]oxy]-, methyl ester (CA INDEX NAME)



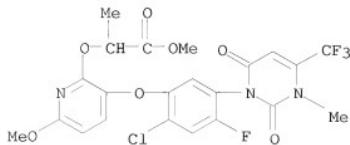
RN 477716-08-8 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-5-methoxyphenoxy]-, methyl ester (CA INDEX NAME)



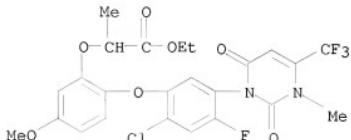
RN 477716-09-9 CAPLUS

CN Propanoic acid, 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-methoxy-2-pyridinyl]oxy]-, methyl ester (CA INDEX NAME)



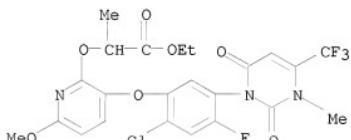
RN 477716-10-2 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-5-methoxyphenoxy]-, ethyl ester (CA INDEX NAME)



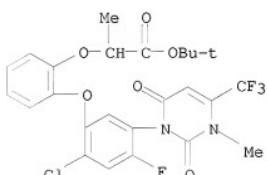
RN 477716-11-3 CAPLUS

CN Propanoic acid, 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-methoxy-2-pyridinyl]oxy]-, ethyl ester (CA INDEX NAME)



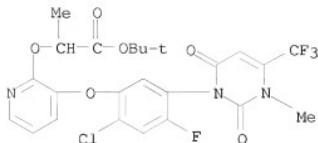
RN 477716-12-4 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 1,1-dimethylethyl ester (CA INDEX NAME)

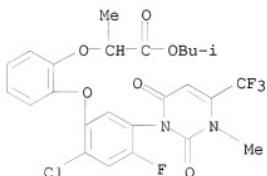


RN 477716-13-5 CAPLUS

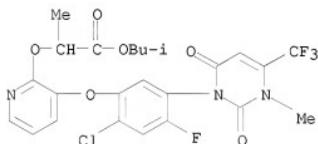
CN Propanoic acid, 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, 1,1-dimethylethyl ester (CA INDEX NAME)



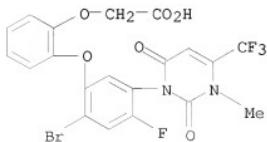
RN 477716-14-6 CAPLUS
 CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 2-methylpropyl ester (CA INDEX NAME)



RN 477716-15-7 CAPLUS
 CN Propanoic acid, 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, 2-methylpropyl ester (CA INDEX NAME)

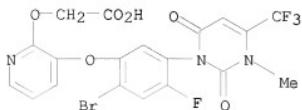


RN 477716-16-8 CAPLUS
 CN Acetic acid, [2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]- (9CI) (CA INDEX NAME)



RN 477716-17-9 CAPLUS

CN Acetic acid, [(3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-(9CI) (CA INDEX NAME)



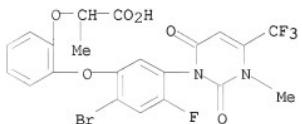
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 477716-54-4P 477716-55-5P 477716-56-6P
 477716-57-7P 477716-58-8P 477716-59-9P
 477716-60-2P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation as plant growth regulator for cotton)

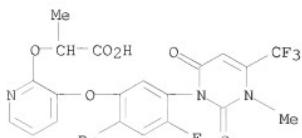
RN 477716-18-0 CAPLUS

CN Propanoic acid, 2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-(CA INDEX NAME)



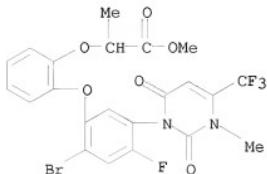
RN 477716-19-1 CAPLUS

CN Propanoic acid, 2-[3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-(CA INDEX NAME)



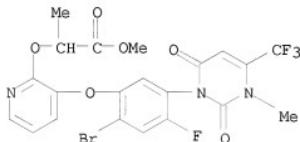
RN 477716-20-4 CAPLUS

CN Propanoic acid, 2-[2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (CA INDEX NAME)



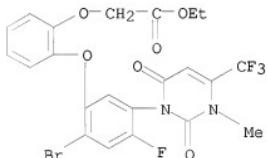
RN 477716-21-5 CAPLUS

CN Propanoic acid, 2-[{3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl}oxy]-, methyl ester (CA INDEX NAME)



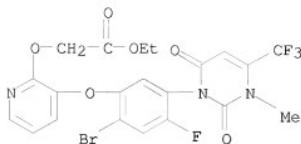
RN 477716-22-6 CAPLUS

CN Acetic acid, [2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (9CI) (CA INDEX NAME)

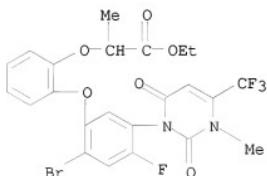


RN 477716-23-7 CAPLUS

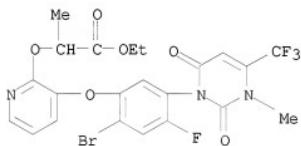
CN Acetic acid, [{3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl}oxy]-, ethyl ester (9CI) (CA INDEX NAME)



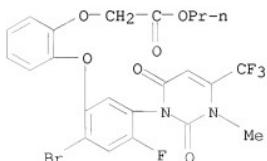
RN 477716-24-8 CAPLUS
 CN Propanoic acid, 2-[2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (CA INDEX NAME)



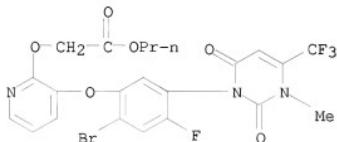
RN 477716-25-9 CAPLUS
 CN Propanoic acid, 2-[3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester (CA INDEX NAME)



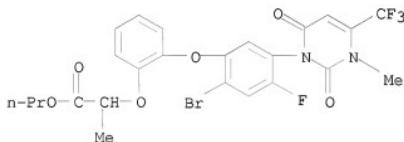
RN 477716-26-0 CAPLUS
 CN Acetic acid, [2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, propyl ester (PCI) (CA INDEX NAME)



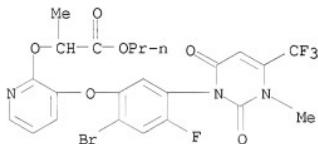
RN 477716-27-1 CAPLUS
CN Acetic acid, [3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, propyl ester (9CI) (CA INDEX NAME)



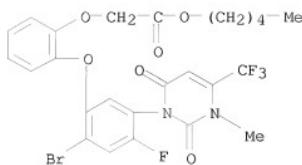
RN 477716-28-2 CAPLUS
CN Propanoic acid, 2-[2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, propyl ester (CA INDEX NAME)



RN 477716-29-3 CAPLUS
CN Propanoic acid, 2-[3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, propyl ester (CA INDEX NAME)

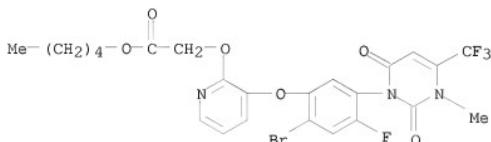


RN 477716-30-6 CAPLUS
CN Acetic acid, [2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, pentyl ester (9CI) (CA INDEX NAME)



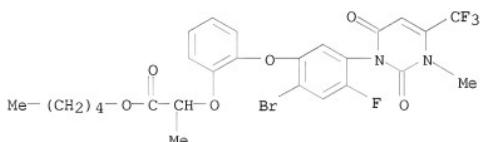
RN 477716-31-7 CAPLUS

CN Acetic acid, [(3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, pentyl ester (9CI) (CA INDEX NAME)



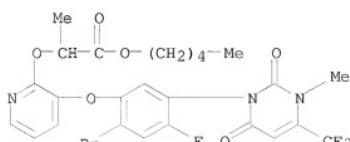
RN 477716-32-8 CAPLUS

CN Propanoic acid, 2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, pentyl ester (CA INDEX NAME)



RN 477716-33-9 CAPLUS

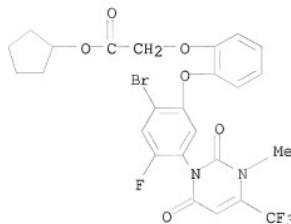
CN Propanoic acid, 2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, pentyl ester (CA INDEX NAME)



RN 477716-34-0 CAPLUS

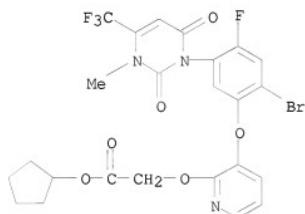
CN Acetic acid, [2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, cyclopentyl ester (9CI) (CA INDEX NAME)



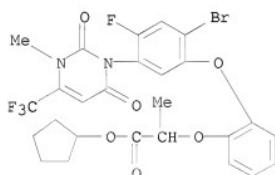
RN 477716-35-1 CAPLUS

CN Acetic acid, {[3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy}-, cyclopentyl ester (9CI) (CA INDEX NAME)



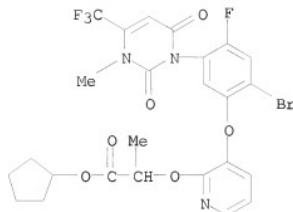
RN 477716-36-2 CAPLUS

CN Propanoic acid, 2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, cyclopentyl ester (CA INDEX NAME)



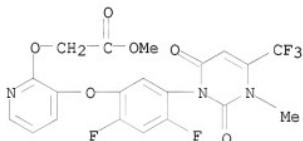
RN 477716-37-3 CAPLUS

CN Propanoic acid, 2-[3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, cyclopentyl ester (CA INDEX NAME)



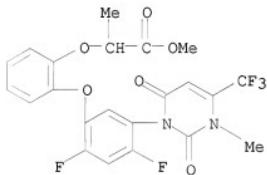
RN 477716-38-4 CAPLUS

CN Acetic acid, {[3-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2,4-difluorophenoxy]-2-pyridinyl}oxy]-, methyl ester
(9CI) (CA INDEX NAME)



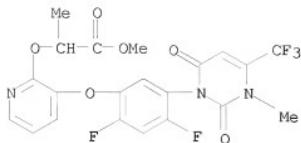
RN 477716-39-5 CAPLUS

CN Propanoic acid, 2-[2-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2,4-difluorophenoxy]phenoxy]-, methyl ester (CA INDEX NAME)



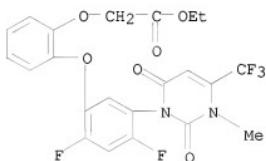
RN 477716-40-8 CAPLUS

CN Propanoic acid, 2-[3-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2,4-difluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (CA INDEX NAME)



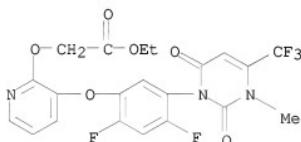
RN 477716-41-9 CAPLUS

CN Acetic acid, [2-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2,4-difluorophenoxy]phenoxy]-, ethyl ester (9CI) (CA INDEX NAME)



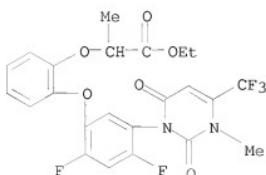
RN 477716-42-0 CAPLUS

CN Acetic acid, [[3-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2,4-difluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester (9CI) (CA INDEX NAME)

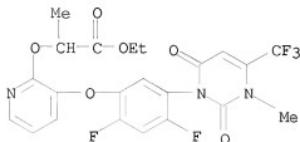


RN 477716-43-1 CAPLUS

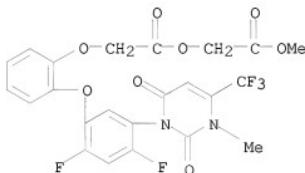
CN Propanoic acid, 2-[2-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2,4-difluorophenoxy]phenoxy]-, ethyl ester (CA INDEX NAME)



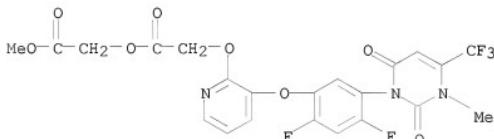
RN 477716-44-2 CAPLUS
CN Propanoic acid, 2-[{5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2,4-difluorophenoxy}-2-pyridinyl]oxy]-, ethyl ester (CA INDEX NAME)



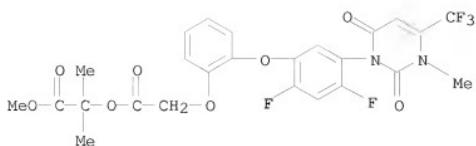
RN 477716-45-3 CAPLUS
CN Acetic acid, [{2-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2,4-difluorophenoxy}phenoxy]-, 2-methoxy-2-oxoethyl ester (9CI) (CA INDEX NAME)



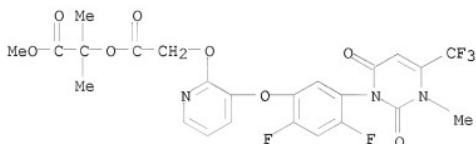
RN 477716-46-4 CAPLUS
CN Acetic acid, [{3-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2,4-difluorophenoxy}-2-pyridinyl]oxy]-, 2-methoxy-2-oxoethyl ester (9CI) (CA INDEX NAME)



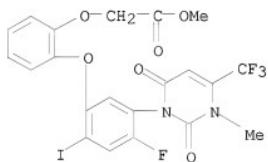
RN 477716-47-5 CAPLUS
CN Propanoic acid, 2-[[2-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2,4-difluorophenoxy]phenoxy]acetyl]oxy]-2-methyl-, methyl ester (9CI) (CA INDEX NAME)



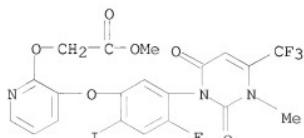
RN 477716-48-6 CAPLUS
 CN Propanoic acid, 2-[{[3-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2,4-difluorophenoxy]-2-pyridinyl]oxy}acetyl]oxy]-2-methyl-, methyl ester (9CI) (CA INDEX NAME)



RN 477716-49-7 CAPLUS
 CN Acetic acid, [2-{[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-2-iodophenoxy]phenoxy}-, methyl ester (9CI) (CA INDEX NAME)

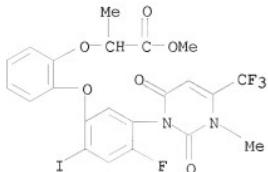


RN 477716-50-0 CAPLUS
 CN Acetic acid, [[3-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-2-iodophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



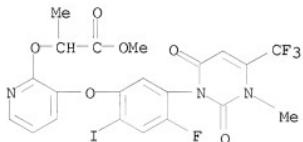
RN 477716-51-1 CAPLUS
 CN Propanoic acid, 2-[2-{[3,6-dihydro-3-methyl-2,6-dioxo-4-

(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-2-iodophenoxy]phenoxy]-, methyl ester (CA INDEX NAME)



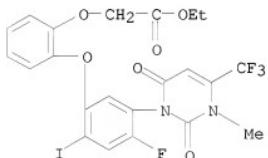
RN 477716-52-2 CAPLUS

CN Propanoic acid, 2-[3-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-2-iodophenoxy]-2-pyridinyl]oxy]-, methyl ester (CA INDEX NAME)



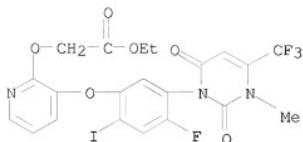
RN 477716-53-3 CAPLUS

CN Acetic acid, [2-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-2-iodophenoxy]phenoxy]-, ethyl ester (9CI) (CA INDEX NAME)

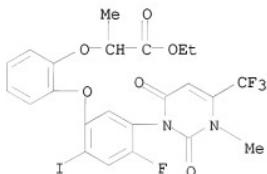


RN 477716-54-4 CAPLUS

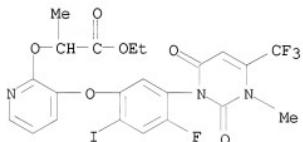
CN Acetic acid, [3-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-2-iodophenoxy]-2-pyridinyl]oxy]-, ethyl ester (9CI) (CA INDEX NAME)



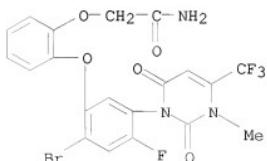
RN 477716-55-5 CAPLUS
 CN Propanoic acid, 2-[2-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-2-iodophenoxy]phenoxy]-, ethyl ester (CA INDEX NAME)



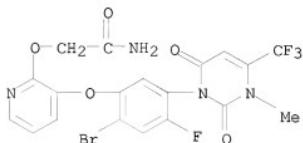
RN 477716-56-6 CAPLUS
 CN Propanoic acid, 2-[2-[3-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro-2-iodophenoxy]-2-pyridinyl]oxy]-, ethyl ester (CA INDEX NAME)



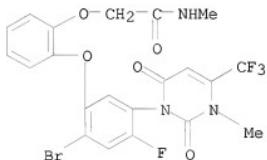
RN 477716-57-7 CAPLUS
 CN Acetamide, 2-[2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]- (CA INDEX NAME)



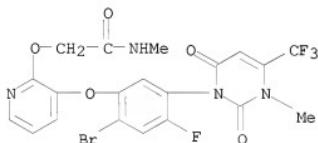
RN 477716-58-8 CAPLUS
CN Acetamide, 2-[(3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-(CA INDEX NAME)



RN 477716-59-9 CAPLUS
CN Acetamide, 2-[2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-methyl-(CA INDEX NAME)

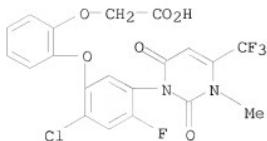


RN 477716-60-2 CAPLUS
CN Acetamide, 2-[(3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-methyl-(CA INDEX NAME)

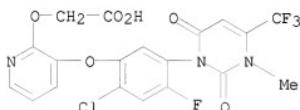


IT 344420-02-6P, [2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]acetic acid 353292-39-4P
RL: AGR (Agricultural use); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of tetrahydropyrimidine derivs. as plant growth regulators for cotton)

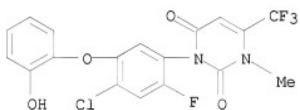
RN 344420-02-6 CAPLUS
CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-(9CI) (CA INDEX NAME)



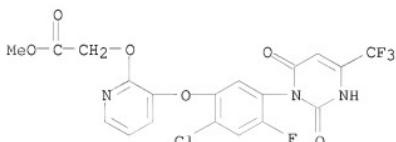
RN 353292-39-4 CAPLUS
 CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]- (9CI) (CA INDEX NAME)



IT 344419-93-8, 2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenol
 353292-72-5
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of tetrahydropyrimidine derivs. as plant growth regulators for cotton)
 RN 344419-93-8 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-hydroxyphenoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 353292-72-5 CAPLUS
 CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



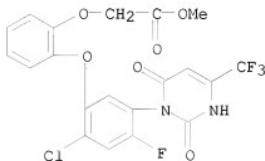
IT 344420-09-3P 344420-46-8P, [(2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-

yl]phenoxy]phenoxy]methyl]benzene

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of tetrahydropyrimidine derivs. as plant growth regulators for cotton)

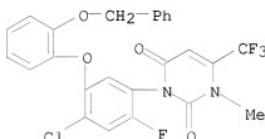
RN 344420-09-3 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 344420-46-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-(phenylmethoxy)phenoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 27 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2002:444482 CAPLUS

DOCUMENT NUMBER: 137:20384

TITLE: Preparation of cyclopropyloxypyrenyluracils as herbicides.

INVENTOR(S): Komori, Takashi; Sanemitsu, Yuzuru

PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan

SOURCE: U.S., 16 pp.

CODEN: USXXAM

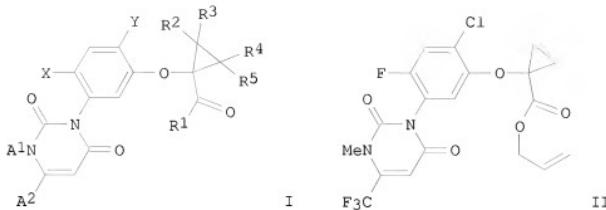
DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6403534	B1	20020611	US 2001-892475	20010628
JP 2002193949	A	20020710	JP 2001-189203	20010622
PRIORITY APPLN. INFO.:			JP 2000-194272	A 20000628
OTHER SOURCE(S):	MARPAT	137:20384		
GI				



AB Title compds. [I; A1 = amino, alkyl; A2 = haloalkyl; X = H, halo; Y = halo; R1 = OR21, ONR22R23, ONCR24R25, SR26, NR27R28, NR29R30, NR31SO2R32, NR33NR34R35; R2-R5 = H, alkyl; R21 = H, alkyl, haloalkyl, alkenyl, alkynyl, etc.; R22, R23 = H, alkyl, haloalkyl, alkenyl, alkynyl, (substituted) PhCH₂; R24, R25 = H, alkyl, haloalkyl, alkenyl, alkynyl, (substituted) Ph, PhCH₂; R26 = H, alkyl, haloalkyl, alkenyl, alkynyl, cycloalkyl, carboxyalkyl, alkoxycarbonylalkyl, etc.; R27 = H, alkyl, haloalkyl, alkenyl, alkynyl, cycloalkyl, carboxyalkyl, etc.; R28 = H, alkyl, haloalkyl, alkenyl, alkynyl, (substituted) Ph, PhCH₂; R29, R30 = H, alkyl, haloalkyl, alkenyl, alkynyl, (substituted) PhCH₂; R31 = H, alkyl, haloalkyl, alkenyl, alkynyl, (substituted) Ph, PhCH₂; R32 = alkyl, haloalkyl, alkenyl, alkynyl, (substituted) Ph, PhCH₂; R33-R35 = H, alkyl, haloalkyl, alkenyl, alkynyl, (substituted) Ph, PhCH₂], were prepared. Thus, 2-chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-CF₃-1,2,3,6-tetrahydropyrimidin-1-yl)phenol, Me 2,4-dibromobutanoate (preparation given), and K2CO₃ were stirred 2 h in DMF to give Me 2-[2-chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]-4-bromobutanoate. The latter was stirred with KOCHMe₃ in THF at -15° to room temperature to give Me 1-[2-chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]cyclopropanecarboxylate. Title compound (II) at 8 g/ha postemergent gave complete control of ivyleaf morningglory.

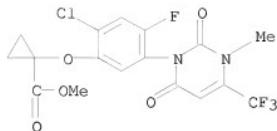
IT 434334-76-6P, Methyl 1-[2-chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]cyclopropanecarboxylate 434334-77-7P, Ethyl 1-[2-chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]cyclopropanecarboxylate 434334-78-8P, 1-[2-Chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]cyclopropanecarboxylic acid 434334-79-9P 434334-80-2P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of cyclopropoxypyridyluracils as herbicides)

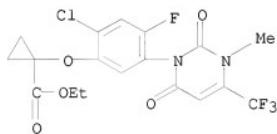
RN 434334-76-6 CAPLUS

CN Cyclopropanecarboxylic acid, 1-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester (CA INDEX NAME)



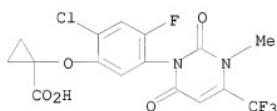
RN 434334-77-7 CAPLUS

CN Cyclopropanecarboxylic acid, 1-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester (CA INDEX NAME)



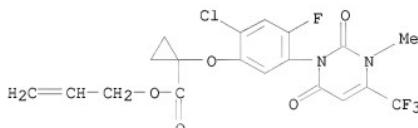
RN 434334-78-8 CAPLUS

CN Cyclopropanecarboxylic acid, 1-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



RN 434334-79-9 CAPLUS

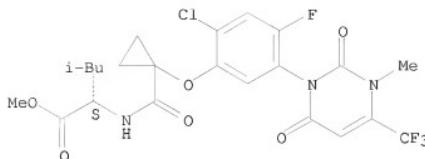
CN Cyclopropanecarboxylic acid, 1-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-propenyl ester (9CI) (CA INDEX NAME)



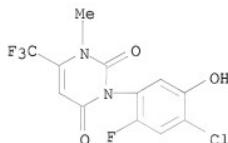
RN 434334-80-2 CAPLUS

CN L-Leucine, N-[(1-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)cyclopropyl]carbonyl]-, methyl ester (CA INDEX NAME)

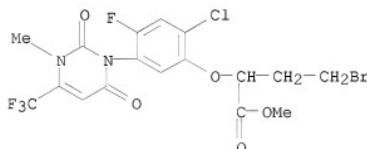
Absolute stereochemistry.



IT 114136-60-6, 2-Chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl)phenol
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of cyclopropyloxypyhenyluracils as herbicides)
 RN 114136-60-6 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



IT 434334-81-3P, Methyl 2-[2-chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]-4-bromobutanoate
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of cyclopropyloxypyhenyluracils as herbicides)
 RN 434334-81-3 CAPLUS
 CN Butanoic acid, 4-bromo-2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester (CA INDEX NAME)



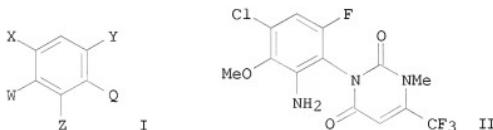
REFERENCE COUNT: 6 THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 28 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2002:182202 CAPLUS
 DOCUMENT NUMBER: 136:232317
 TITLE: Preparation of heterocyclbenzenes as herbicides and defoliants.
 INVENTOR(S): Gupta, Sandeep; Wu, Shao-Yong; Tsukamoto, Masamitsu;

PATENT ASSIGNEE(S): Pulman, David A.; Ying, Bai-Ping
 ISK Americas Incorporated, USA
 SOURCE: U.S., 74 pp., Cont.-in-part of U.S. Ser. No. 958,313.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

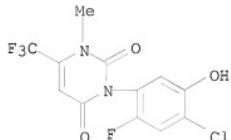
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6355799	B1	20020312	US 2000-530373	20000427
WO 9921837	A1	19990506	WO 1998-US17197	19980821
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CN 1673219	A	20050928	CN 2005-10062898	19980821
CN 1680274	A	20051012	CN 2005-10065271	19980821
US 39590	E1	20070424	US 2000-797936	20000427
US 2002133007	A1	20020919	US 2001-930149	20010816
US 6545161	B2	20030408		
PRIORITY APPLN. INFO.:				
			US 1997-958313	A2 19971027
			WO 1998-US17197	W 19980821
			CN 1998-812711	A3 19980821
			US 2000-530373	E 20000427

OTHER SOURCE(S): MARPAT 136:232317
 GI

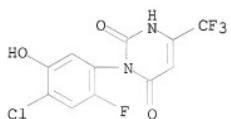


- AB Title compds. [I; X = H, halo, NO₂, amino, NHR, NR₂, amide, thioamide, cyano, alkylcarbonyl, alkoxy carbonyl, alkylsulfonamide, (substituted) alkyl, haloalkyl, alkoxy, haloalkoxy, alkoxy carbonyloxy, PhCH₂O, aryloxy, heteroaryloxy; Y = H, halo, NO₂; W = H, OR, SR, NHR, NR₂, CH₂R, CHR₂, CR₃, halo, NO₂, cyano; R = H, (substituted) alkyl, alkenyl, alkynyl, cycloalkyl, aryl, heteroaryl, alkoxy, cycloalkoxy, aryloxy, heteroaryloxy, alkylsulfonyl, PhCH₂, alkylcarbonyl, aryloxycarbonyl, etc.; Q = (substituted) heterocycl; Z = amino, OH, SH, CHO, CO₂H, cyano, alkylcarbonyl, arylcarbonyl, N₃, etc.] were prepared Thus, 3-(4-chloro-2-fluoro-3-methoxy-2-nitrophenyl)-1-methyl-6-trifluoromethyl-2,4(1H,3H)-pyrimidinedione (preparation given) was stirred with Fe powder in HOAc to give title compound (II). II at 7.8 g/ha post-emergent gave 100% control of Amaranthus retroflexus and Abutilon theophrasti.
- IT 114136-60-6, 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- 114136-62-8, 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-6-

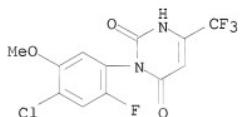
(trifluoromethyl)- 114168-84-2, 2,4(1H,3H)-Pyrimidinedione,
 3-(4-chloro-2-fluoro-5-methoxyphenyl)-6-(trifluoromethyl)-
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (preparation of heterocyclylbenzenes as herbicides and defoliants)
 RN 114136-60-6 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-
 6-(trifluoromethyl)- (CA INDEX NAME)



RN 114136-62-8 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-6-(trifluoromethyl)- (CA INDEX NAME)



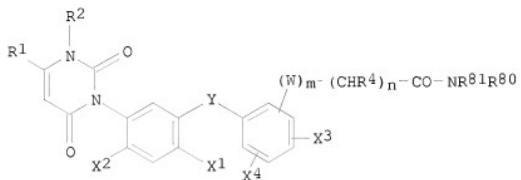
RN 114168-84-2 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-methoxyphenyl)-6-(trifluoromethyl)- (CA INDEX NAME)



REFERENCE COUNT: 37 THERE ARE 37 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 29 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2002:23517 CAPLUS
 DOCUMENT NUMBER: 136:69821
 TITLE: Preparation of uracils and their use as herbicides
 INVENTOR(S): Goto, Tomohiko; Sanemitsu, Minoru
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 91 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2002003480	A	20020109	JP 2000-192353	20000627
PRIORITY APPLN. INFO.:			JP 2000-192353	20000627
OTHER SOURCE(S):	MARPAT	136:69821		
GI				



AB Title compds. I ($W = O, S$, imino, Cl-containing C3 alkylimino; $Y = O, S$, imino, Cl-3 alkylimino; $R1 = C1-3$ alkyl, $C1-3$ haloalkyl; $R2 = C1-3$ alkyl; $R4 = H$, $C1-3$ alkyl; $X1 =$ halo, cyano, NO_2 ; $X2 = H$, halo; $X3, X4 = H$, halo, $C1-6$ alkyl, $C1-6$ haloalkyl, $C3-6$ alkenyl, etc.; $m = 0-1$; $n = 0-2$; $R81 = H$, $C1-6$ alkyl, $C1-6$ haloalkyl, $C3-6$ alkenyl, $C3-6$ haloalkenyl, etc.; $R80 = H$, $C1-6$ alkyl, $C1-6$ haloalkyl, $C3-6$ alkenyl, $C3-6$ haloalkenyl, etc.) are prepared $2-[2-(2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]acetic acid$ (2.0 g) was mixed with $SOCl_2$ in THF under reflux for 2 h 10 min and reacted with $MeCNH_2 \cdot HCl$ in the presence of Et_3N in THF at room temperature for 2 h to give 0.33 g N -methoxy- $2-[2-(2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]acetic acid amide showing good herbicidal activity.$

IT 384835-06-7P 384835-08-9P 384835-10-3P

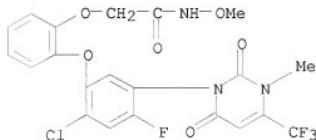
384835-15-8P

RL: AGR (Agricultural use); **BSU** (Biological study, unclassified); **SPN** (Synthetic preparation); **BIOL** (Biological study); **PREP** (Preparation); **USES** (Uses)

(preparation of uracils and their use as herbicides)

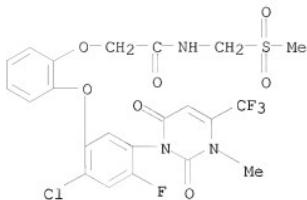
RN 384835-06-7 CAPLUS

CN Acetamide, $2-[2-(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N$ -methoxy- (CA INDEX NAME)



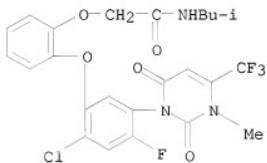
RN 384835-08-9 CAPLUS

CN Acetamide, $2-[2-(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N$ -[(methylsulfonyl)methyl]- (CA INDEX NAME)



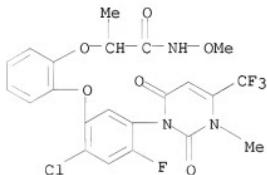
RN 384835-10-3 CAPLUS

CN Acetamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-(2-methylpropyl)- (CA INDEX NAME)



RN 384835-15-8 CAPLUS

CN Propanamide, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-N-methoxy- (CA INDEX NAME)

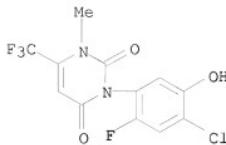


IT 114136-60-6, 2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenol
RL: RCT (Reactant); RACT (Reactant or reagent)

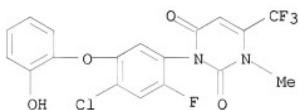
(preparation of uracils and their use as herbicides)

RN 114136-60-6 CAPLUS

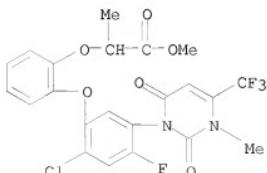
CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



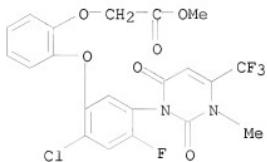
- IT 344419-93-8P, 2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenol
 344419-95-0P, Methyl 2-[2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]propionate 344419-98-3P, Methyl [2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]acetate 344420-00-4P, 2-[2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]propionic acid 344420-02-6P 344420-46-8P, [(2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy)methyl]benzene 380500-93-6P, 2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]nitrobenzene 380500-94-7P, 2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]aniline 380500-95-8P 380922-42-9P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of uracils and their use as herbicides)
- RN 344419-93-8 CAPLUS
- CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-hydroxyphenoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



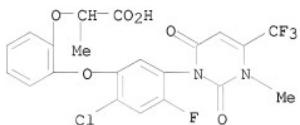
- RN 344419-95-0 CAPLUS
- CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (CA INDEX NAME)



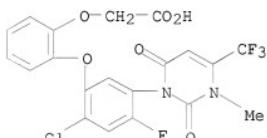
RN 344419-98-3 CAPLUS
CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)



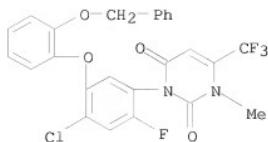
RN 344420-00-4 CAPLUS
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]- (CA INDEX NAME)



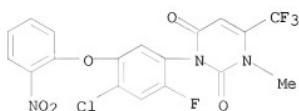
RN 344420-02-6 CAPLUS
CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]- (9CI) (CA INDEX NAME)



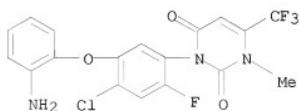
RN 344420-46-8 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-(phenylmethoxy)phenoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



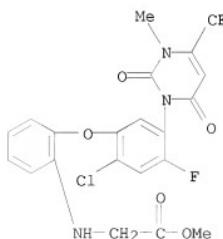
RN 380500-93-6 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-nitrophenoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



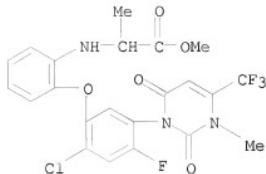
RN 380500-94-7 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-(2-aminophenoxy)-4-chloro-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 380500-95-8 CAPLUS
 CN Glycine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, methyl ester (CA INDEX NAME)



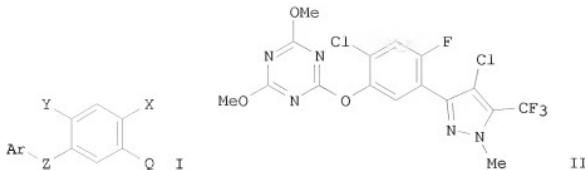
RN 380922-42-9 CAPLUS
 CN Alanine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, methyl ester (CA INDEX NAME)



L3 ANSWER 30 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2001:934012 CAPLUS
 DOCUMENT NUMBER: 136:53758
 TITLE: Preparation of diaryl ethers as herbicides and desiccants
 INVENTOR(S): Pulman, David A.; Ying, Bai-ping; Wu, Shao-yong;
 Gupta, Sandeep; Shimoharada, Hiroshi; Tsukamoto,
 Masamitsu
 PATENT ASSIGNEE(S): Isk Americas Incorporated, USA
 SOURCE: U.S., 47 pp., Cont.-in-part of U.S. Ser. No. 947,900,
 abandoned.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 6333296	B1	20011225	US 1999-380830	19990910
WO 9841093	A1	19980924	WO 1998-US209	19980114
W: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, GH, GM, GW, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW				
RW: GH, GM, KE, LS, MW, SD, SZ, UG, ZW, AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG				
ZA 9802158	A	19980914	ZA 1998-2158	19980313
US 2002161224	A1	20021031	US 2001-779674	20010209
US 6479435	B2	20021112		
PRIORITY APPLN. INFO.:				
		US 1997-818061	B2 19970314	
		US 1997-917682	B2 19970826	
		US 1997-947900	B2 19971009	
		WO 1998-US209	W 19980114	
		US 1999-380830	A3 19990910	

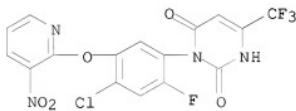
OTHER SOURCE(S): MARPAT 136:53758
 GI



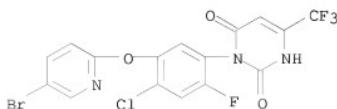
AB The diaryl ethers I ($X, Y = H, \text{halo}, \text{CN}, \text{NO}_2$, haloalkyl; $Z = O, S; Q = (\text{un})\text{substituted N-containing heterocyclyl}$; Ar = (un)substituted aryl or heteroaryl) were prepared as herbicides and desiccants. Thus, reacting 4-chloro-3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-5-trifluoromethyl-1H-pyrazole with 2-chloro-4,6-dimethoxytriazine in the presence of K_2CO_3 in DMF afforded 82% II which showed complete damage of Amaranthus retroflexus, Chenopodium album and Setaria viridis at 500 g ai/ha in pre-emergence test.

IT 213676-09-6P 213676-11-0P 213676-12-1P
 213676-13-2P 213676-14-3P 213676-16-5P
 213676-18-7P 213676-20-1P 213676-22-3P
 213676-23-4P 213676-24-5P 213676-25-6P
 213676-26-7P 213676-28-9P 213676-29-0P
 213676-31-4P 213676-32-5P 213676-33-6P
 213676-35-8P 213676-36-9P 213676-37-0P
 213676-39-2P 213676-40-5P 213676-42-7P
 213676-44-9P 213676-45-0P 213676-46-1P
 213676-47-2P 213676-48-3P 213676-49-4P
 213676-50-7P 213676-51-8P 213676-52-9P
 RL: RCT (Reactant); SPN (Synthetic prep
 (Reactant or reagent))

(Reactant or Reagent)
intermediate in preparation of diaryl ethers herbicides and desiccants
RN 213676-09-6 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(3-nitro-2-pyridinyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)

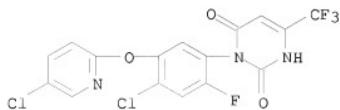


RN 213676-11-0 CAPLUS
CN 2,4-(1H,3H)-Pyrimidinedione, 3-[5-[(5-bromo-2-pyridinyl)oxy]-4-chloro-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



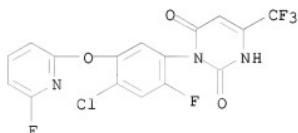
BN 213676-12-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(5-chloro-2-pyridinyl)oxy]-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



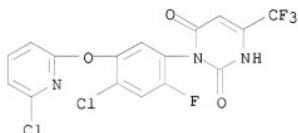
RN 213676-13-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(6-fluoro-2-pyridinyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



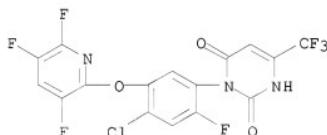
RN 213676-14-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(6-chloro-2-pyridinyl)oxy]-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



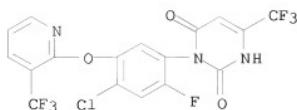
RN 213676-16-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(3,5,6-trifluoro-2-pyridinyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)

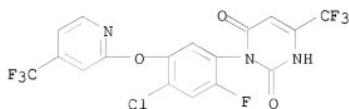


RN 213676-18-7 CAPLUS

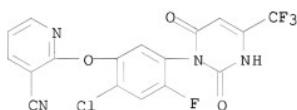
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[[3-(trifluoromethyl)-2-pyridinyl]oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



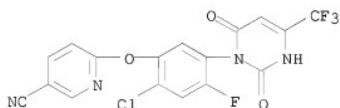
RN 213676-20-1 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(4-(trifluoromethyl)-2-pyridinyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



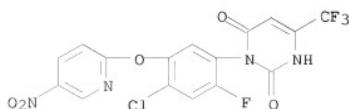
RN 213676-22-3 CAPLUS
CN 3-Pyridinecarbonitrile, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



RN 213676-23-4 CAPLUS
CN 3-Pyridinecarbonitrile, 6-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)

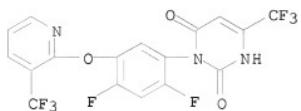


RN 213676-24-5 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(5-nitro-2-pyridinyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



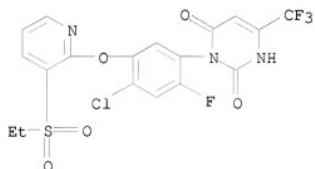
RN 213676-25-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[2,4-difluoro-5-[(3-(trifluoromethyl)-2-pyridinyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



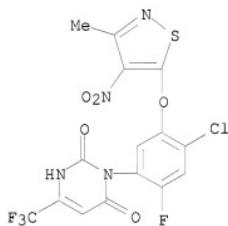
RN 213676-26-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(3-(ethylsulfonyl)-2-pyridinyl)oxy]-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



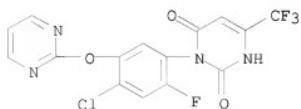
RN 213676-28-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(3-methyl-4-nitro-5-isothiazolyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



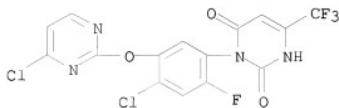
RN 213676-29-0 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-pyrimidinyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



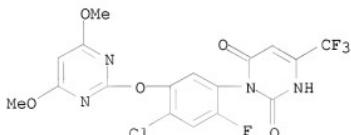
RN 213676-31-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4-chloro-2-pyrimidinyl)oxy]-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



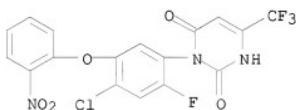
RN 213676-32-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4,6-dimethoxy-2-pyrimidinyl)oxy]-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



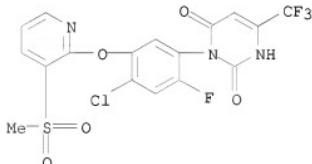
RN 213676-33-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-nitrophenoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



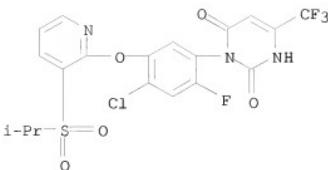
RN 213676-35-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(3-(methylsulfonyl)-2-pyridinyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)

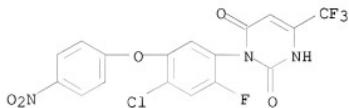


RN 213676-36-9 CAPLUS

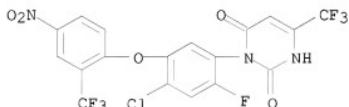
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(3-[(1-methylethyl)sulfonyl]-2-pyridinyl)oxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



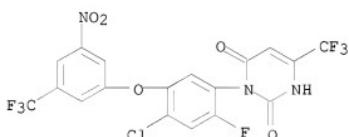
RN 213676-37-0 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(4-nitrophenoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



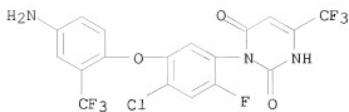
RN 213676-39-2 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[4-nitro-2-(trifluoromethyl)phenoxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



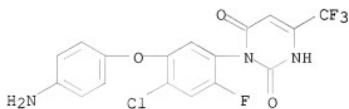
RN 213676-40-5 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[3-nitro-5-(trifluoromethyl)phenoxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



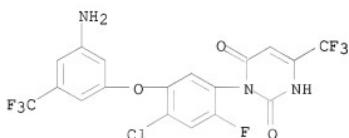
RN 213676-42-7 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-[4-amino-2-(trifluoromethyl)phenoxy]-4-chloro-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



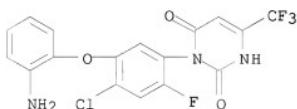
RN 213676-44-9 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-(4-aminophenoxy)-4-chloro-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



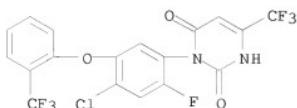
RN 213676-45-0 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-[3-amino-5-(trifluoromethyl)phenoxy]-4-chloro-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



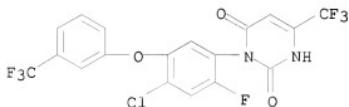
RN 213676-46-1 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-(2-aminophenoxy)-4-chloro-2-fluorophenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



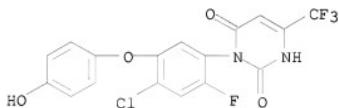
RN 213676-47-2 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-(trifluoromethyl)phenoxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



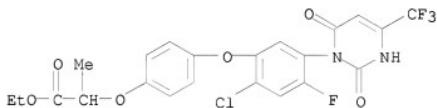
RN 213676-48-3 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[3-(trifluoromethyl)phenoxy]phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



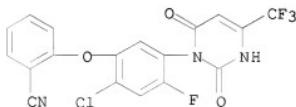
RN 213676-49-4 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(4-hydroxyphenoxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



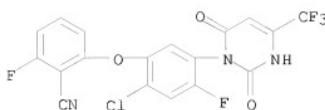
RN 213676-50-7 CAPLUS
CN Propanoic acid, 2-[4-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (CA INDEX NAME)



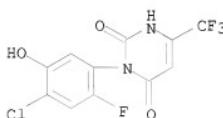
RN 213676-51-8 CAPLUS
CN Benzonitrile, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



RN 213676-52-9 CAPLUS
CN Benzonitrile, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-fluoro- (CA INDEX NAME)



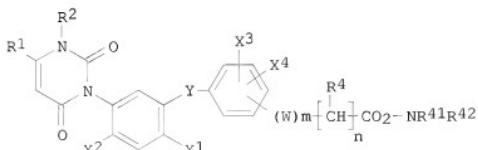
IT 114136-62-8
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (reactant in preparation of diaryl ethers as herbicides and desiccants)
 RN 114136-62-8 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-6-(trifluoromethyl)- (CA INDEX NAME)



REFERENCE COUNT: 36 THERE ARE 36 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 31 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2001:932505 CAPLUS
 DOCUMENT NUMBER: 136:53757
 TITLE: Preparation of uracils and their use as herbicides
 INVENTOR(S): Goto, Tomohiko; Sanemitsu, Yuzuru
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 98 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001354661	A	20011225	JP 2000-181150	20000616
PRORITY APPLN. INFO.:			JP 2000-181150	20000616
OTHER SOURCE(S):	MARPAT	136:53757		
GI				



AB Uracils I [W, Y = O, S, imino, C1-3 alkylimino; R1 = C1-3 (halo)alkyl; R2 = C1-3 alkyl; R4 = H, C1-3 alkyl; X1 = halo, cyano, NO₂; X2 = H, halo; X3, X4 = H, halo, C1-6 (halo)alkyl,, C3-6 (halo)alkenyl, C3-6 (halo)alkynyl, cyano, etc.; m = 0, 1; n = 0-2; R41, R42 = H, C1-6 (halo)alkyl, cyano-C1-6-alkyl, (un)substituted phenoxy carbonyl-C1-6 alkyl, (un)substituted benzoyloxy carbonyl-C1-6 alkyl, etc.] are prepared. Thus, 2-[2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]acetic acid was refluxed with SOC12 for 2 h 10 min, concentrated, and reacted with N,N-dimethylhydroxylamine HCl salt at room temperature for 2 h in the presence of pyridine in THF to give the corresponding dimethylamino ester, which showed 100% herbicidal activity.

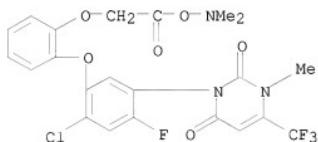
IT 382595-63-3P 382595-64-4P

RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)

(preparation of uracils as herbicides)

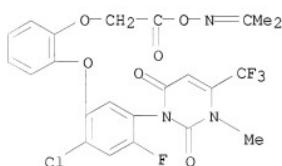
RN 382595-63-3 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[2-[2-[(dimethylamino)oxy]-2-oxoethoxy]phenoxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 382595-64-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-[2-[(1-methylethylidene)amino]oxy]-2-oxoethoxy]phenoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

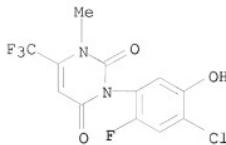


IT 114136-60-6, 2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenol

RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of uracils as herbicides)

RN 114136-60-6 CAPLUS

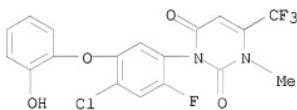
CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



IT 344419-93-8P, 2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenol
 344419-95-0P, Methyl 2-[2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]propionate 344419-98-3P, Methyl [2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy]acetate 344420-02-6P
 344420-46-8P, [(2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]phenoxy)methyl]benzene 380500-93-6P,
 2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]nitrobenzene 380500-94-7P,
 2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]aniline
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of uracils as herbicides)

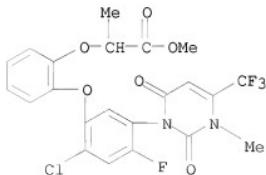
RN 344419-93-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-hydroxyphenoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 344419-95-0 CAPLUS

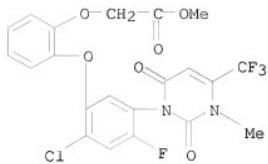
CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (CA INDEX NAME)



RN 344419-98-3 CAPLUS

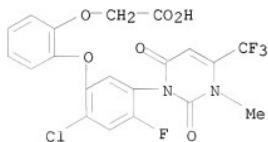
CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester

ester (9CI) (CA INDEX NAME)



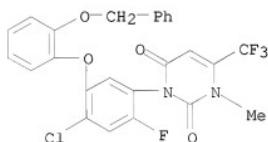
RN 344420-02-6 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]- (9CI) (CA INDEX NAME)



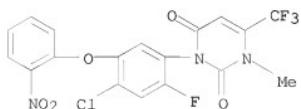
RN 344420-46-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-(phenylmethoxy)phenoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



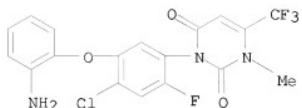
RN 380500-93-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-nitrophenoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 380500-94-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-(2-aminophenoxy)-4-chloro-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

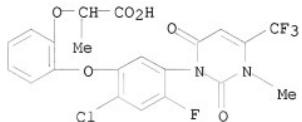


IT 344420-00-4P, 2-[2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]propionic acid 380500-95-8P
380922-42-9P

RL: SPN (Synthetic preparation); PREP (Preparation)
(preparation of uracils as herbicides)

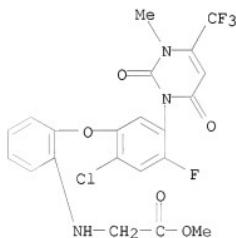
RN 344420-00-4 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



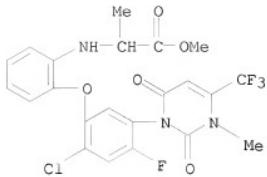
RN 380500-95-8 CAPLUS

CN Glycine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, methyl ester (CA INDEX NAME)



RN 380922-42-9 CAPLUS

CN Alanine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, methyl ester (CA INDEX NAME)



L3 ANSWER 32 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:915240 CAPLUS

DOCUMENT NUMBER: 136:195583

TITLE: 3-(Heterocyclyl)phenyl cyanurates: synthesis and herbicidal activity

AUTHOR(S): Karp, Gary M.; Crews, A. Don; Manfredi, Mark C.; Kleemann, Axel; Arotin, Robert L.; Crawley, Matthew L.; Dahlke, Brian; Baerg, Roger

CORPORATE SOURCE: BASF Agro Research, Princeton, NJ, 08543-0400, USA

SOURCE: ACS Symposium Series (2002), 800 (Synthesis and Chemistry of Agrochemicals VI), 30-40

CODEN: ACSMC8; ISSN: 0097-6156

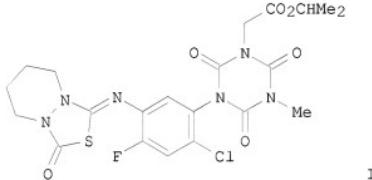
PUBLISHER: American Chemical Society

DOCUMENT TYPE: Journal

LANGUAGE: English

OTHER SOURCE(S): CASREACT 136:195583

GI



I

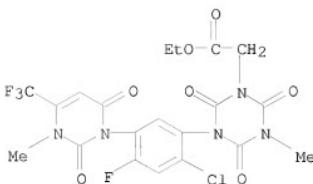
AB 3-(Heterocyclyl)phenyl cyanurates such as I make up a novel class of protoporphyrinogen oxidase (protox) inhibitors which were prepared and evaluated for herbicidal activity. The compds. were primarily postemergence broadleaf compds. The effect of changes in the aryl moiety, the heteroaryl moiety, and in the pendant ester of the cyanurate moiety on the herbicidal activity of the heterocyclaryl cyanurates was studied.

IT 401524-46-7P

RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation and herbicidal activity of (heterocyclyl)phenyl cyanurate protoporphyrinogen oxidase inhibitors)

RN 401524-46-7 CAPLUS

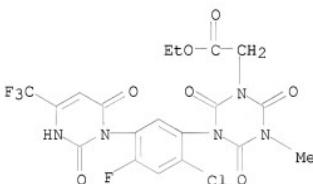
CN 1,3,5-Triazine-1(2H)-acetic acid, 3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]tetrahydro-5-methyl-2,4,6-trioxo-, ethyl ester (CA INDEX NAME)



IT 401524-45-6P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation and herbicidal activity of (heterocyclyl)phenyl cyanurate protoporphyrinogen oxidase inhibitors)

RN 401524-45-6 CAPLUS

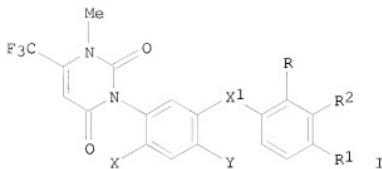
CN 1,3,5-Triazine-1(2H)-acetic acid, 3-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]tetrahydro-5-methyl-2,4,6-trioxo-, ethyl ester (CA INDEX NAME)



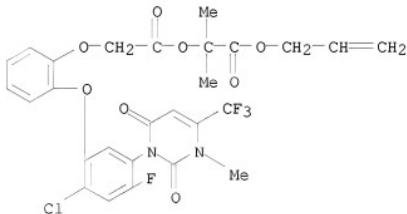
REFERENCE COUNT: 13 THERE ARE 13 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 33 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2001:910259 CAPLUS
 DOCUMENT NUMBER: 136:53754
 TITLE: Preparation and application of uracils as herbicides
 INVENTOR(S): Goto, Tomohiko; Sanemitsu, Minoru
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 91 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

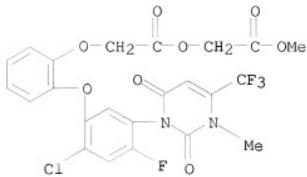
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001348376	A	20011218	JP 2000-170234	20000607
OTHER SOURCE(S):	MARPAT	136:53754	JP 2000-170234	20000607
GI				



- AB Title compds. [I; R = OCH(CH₃)COOCH₂COOCH₃, (S)-OCH₂CONHCH(CH₂CH(CH₃)₂)CO₂CH₃, OCH₂CONHCH₂CO₂CH₃, OCH₂CO₂C(CH₃)CO₂CH₂CH:CH₂, H, CF₃, CH₃; R₁ = H, OCH(CH₃)CO₂CH₂COOH, OCH₂COOCH₂COOCH₂CH:CH₂, H; R₂ = H, OCH(CH₃)CO₂CH₂COOH, OCH₂COOCH₂COOSCH₂CH₃; X = F, H; Y = Cl, NO₂; X₁ = O, S, NH] are prepared as herbicides. Thus, the title compound I (R = OCH₂COOC(CH₃)COOCH₂CH₂CH:CH₂; R₁ = H; R₂ = H; X = F; X₁ = O; Y = Cl) was prepared and field tested as effective herbicide in forage and soil treatment.
- IT 380500-87-8P 380500-88-9P 380500-89-0P
 380500-90-3P 380500-96-9P 380500-97-0P
 380500-98-1P 380501-01-9P 380501-02-0P
 380501-03-1P 380501-04-2P 380501-09-7P
 380501-10-0P 380501-11-1P 380501-12-2P
 380501-17-7P 380501-18-8P 380501-21-3P
 380501-22-4P 380501-23-5P 380501-24-6P
 380501-29-1P 380501-30-4P 380501-31-5P
 380501-32-6P 380501-37-1P 380501-38-2P
- RL: AGR (Agricultural use); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation and application of uracils as herbicides)
- RN 380500-87-8 CAPLUS
- CN Propanoic acid, 2-[[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]acetyl]oxy]-2-methyl-, 2-propenyl ester (9CI) (CA INDEX NAME)

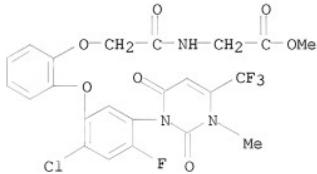


- RN 380500-88-9 CAPLUS
- CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 2-methoxy-2-oxoethyl ester (9CI) (CA INDEX NAME)



RN 380500-89-0 CAPLUS

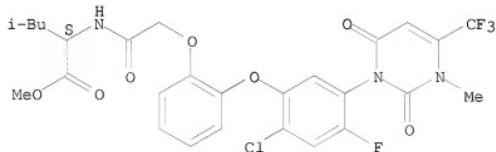
CN Glycine, N-[{2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy}acetyl]-, methyl ester (9CI) (CA INDEX NAME)



RN 380500-90-3 CAPLUS

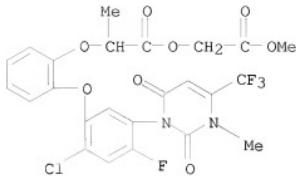
CN L-Leucine, N-[{2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy}acetyl]-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



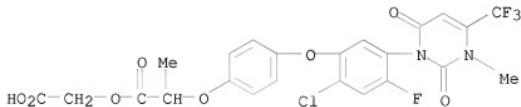
RN 380500-96-9 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 2-methoxy-2-oxoethyl ester (CA INDEX NAME)



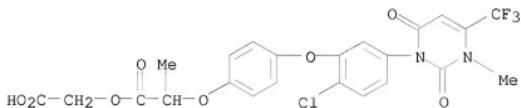
RN 380500-97-0 CAPLUS

CN Propanoic acid, 2-[4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, carboxymethyl ester (CA INDEX NAME)



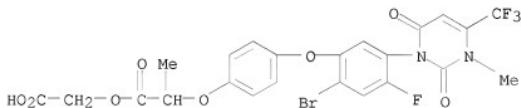
RN 380500-98-1 CAPLUS

CN Propanoic acid, 2-[4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]phenoxy]-, carboxymethyl ester (CA INDEX NAME)



RN 380501-01-9 CAPLUS

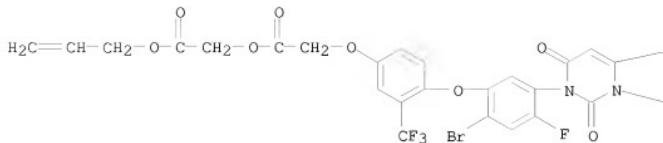
CN Propanoic acid, 2-[4-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, carboxymethyl ester (CA INDEX NAME)



RN 380501-02-0 CAPLUS

CN Acetic acid, [4-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-(trifluoromethyl)phenoxy]-, 2-oxo-2-(2-propenyoxy)ethyl ester (9CI) (CA INDEX NAME)

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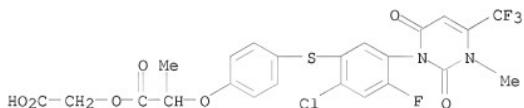


PAGE 1-B

-CF₃

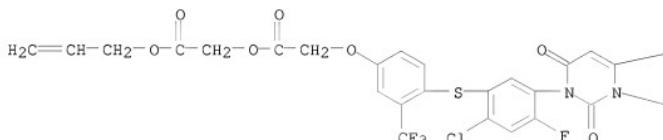
-Me

RN 380501-03-1 CAPLUS
CN Propanoic acid, 2-[4-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thiophenoxy]-, carboxymethyl ester (CA INDEX NAME)



RN 380501-04-2 CAPLUS
CN Acetic acid, [4-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-3-(trifluoromethyl)phenoxy]-, 2-oxo-2-(2-propenyl)oxoethyl ester (9CI) (CA INDEX NAME)

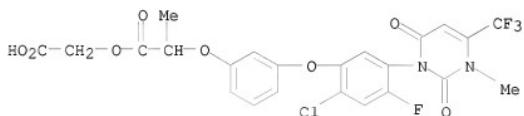
PAGE 1-A



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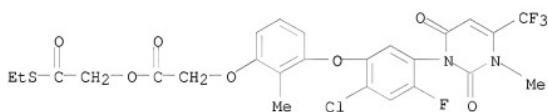
RN 380501-09-7 CAPLUS

CN Propanoic acid, 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, carboxymethyl ester (CA INDEX NAME)



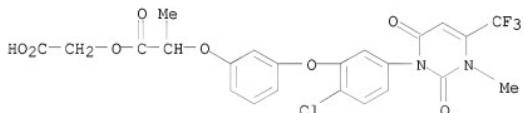
RN 380501-10-0 CAPLUS

CN Acetic acid, [3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-methylphenoxy]-, 2-(ethylthio)-2-oxoethyl ester (9CI) (CA INDEX NAME)



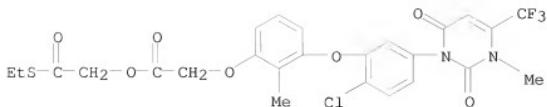
RN 380501-11-1 CAPLUS

CN Propanoic acid, 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-, carboxymethyl ester (CA INDEX NAME)

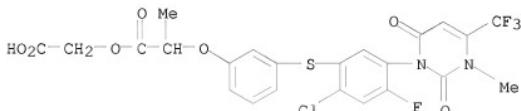


RN 380501-12-2 CAPLUS

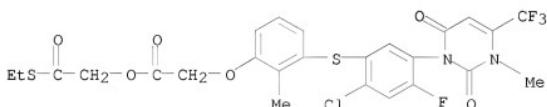
CN Acetic acid, [3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2-methylphenoxy]-, 2-(ethylthio)-2-oxoethyl ester (9CI) (CA INDEX NAME)



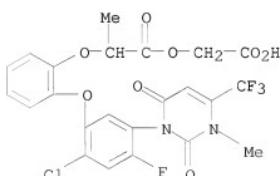
RN 380501-17-7 CAPLUS
 CN Propanoic acid, 2-[{2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl}thiophenoxy]-, carboxymethyl ester (CA INDEX NAME)



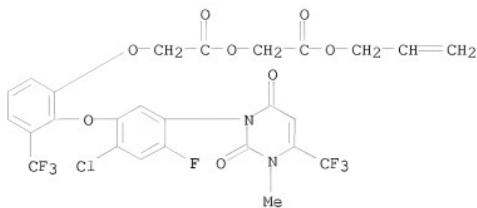
RN 380501-18-8 CAPLUS
 CN Acetic acid, [3-{[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio}-2-methylphenoxy]-, 2-(ethylthio)-2-oxoethyl ester (9CI) (CA INDEX NAME)



RN 380501-21-3 CAPLUS
 CN Propanoic acid, 2-[{2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}phenoxy]-, carboxymethyl ester (CA INDEX NAME)

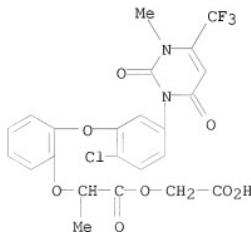


RN 380501-22-4 CAPLUS
 CN Acetic acid, [2-{[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}-3-(trifluoromethyl)phenoxy]-, 2-oxo-2-(2-propenyoxy)ethyl ester (9CI) (CA INDEX NAME)



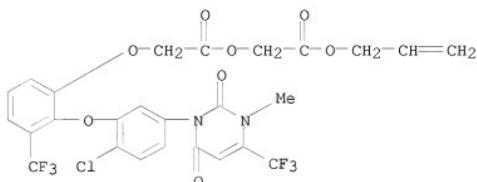
RN 380501-23-5 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]phenoxyl-, carboxymethyl ester
(CA INDEX NAME)



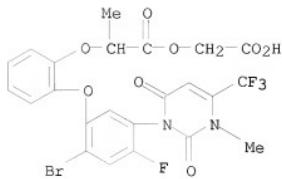
RN 380501-24-6 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-3-(trifluoromethyl)phenoxy]-2-oxo-2-(2-propenyl)ethyl ester (9CI) (CA INDEX NAME)



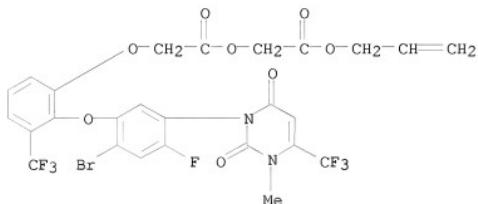
RN 380501-29-1 CAPLUS

CN Propanoic acid, 2-[2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxyl-, carboxymethyl ester (CA INDEX NAME)



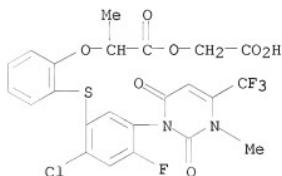
RN 380501-30-4 CAPLUS

CN Acetic acid, [2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-(trifluoromethyl)phenoxy]-, 2-oxo-2-(2-propenyoxy)ethyl ester (9CI) (CA INDEX NAME)



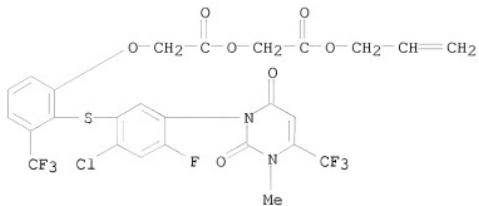
RN 380501-31-5 CAPLUS

CN Propanoic acid, 2-[2-[[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]phenoxy]-, carboxymethyl ester (CA INDEX NAME)



RN 380501-32-6 CAPLUS

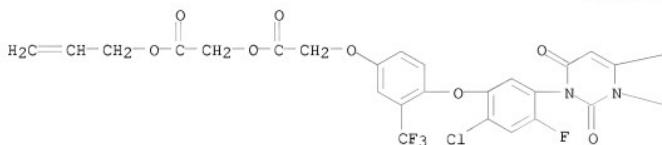
CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio]-3-(trifluoromethyl)phenoxy]-, 2-oxo-2-(2-propenyoxy)ethyl ester (9CI) (CA INDEX NAME)



RN 380501-37-1 CAPLUS

CN Acetic acid, [4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-(trifluoromethyl)phenoxy]-, 2-oxo-2-(2-propenyoxy)ethyl ester (9CI) (CA INDEX NAME)

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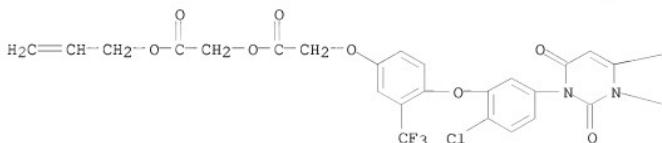
-CF₃

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RN 380501-38-2 CAPLUS

CN Acetic acid, [4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]phenoxy]-3-(trifluoromethyl)phenoxy]-, 2-oxo-2-(2-propenyoxy)ethyl ester (9CI) (CA INDEX NAME)

PAGE 1-A



-CF3-Me

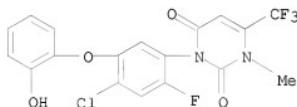
IT 344419-93-8P 344419-95-0P 344419-98-3P
 344420-00-4P 344420-02-6P 344420-46-8P
 380500-93-6P 380500-94-7P 380500-95-8P
 380922-42-9P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)

(preparation and application of uracils as herbicides)

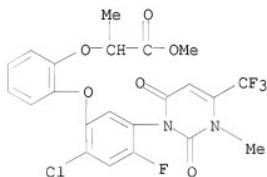
RN 344419-93-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-hydroxyphenoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



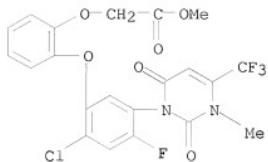
RN 344419-95-0 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxyl-, methyl ester (CA INDEX NAME)



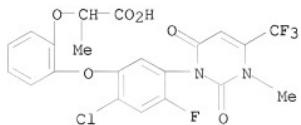
RN 344419-98-3 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxyl-, methyl ester (9CI) (CA INDEX NAME)



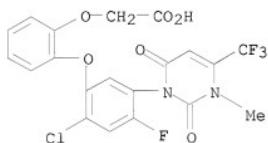
RN 344420-00-4 CAPLUS

CN Propanoic acid, 2-[2-(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]- (CA INDEX NAME)



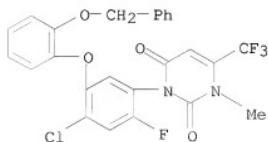
RN 344420-02-6 CAPLUS

CN Acetic acid, [2-(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]- (9CI) (CA INDEX NAME)



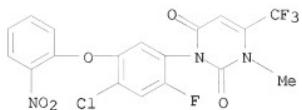
RN 344420-46-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-(phenylmethoxy)phenoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

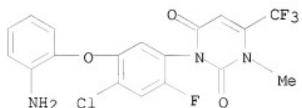


RN 380500-93-6 CAPLUS

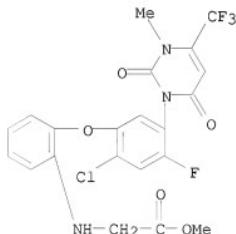
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(2-nitrophenoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



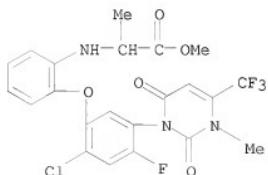
RN 380500-94-7 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-(2-aminophenoxy)-4-chloro-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 380500-95-8 CAPLUS
 CN Glycine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, methyl ester (CA INDEX NAME)



RN 380922-42-9 CAPLUS
 CN Alanine, N-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, methyl ester (CA INDEX NAME)



L3 ANSWER 34 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:762975 CAPLUS

DOCUMENT NUMBER: 135:303905

TITLE: Preparation of (heterocyclyloxyphenyl)uracils as herbicides

INVENTOR(S): Andree, Roland; Schwarz, Hans-Georg; Linker, Karl-Heinz; Drewes, Mark Wilhelm; Dahmen, Peter; Feucht, Dieter; Pontzen, Rolf

PATENT ASSIGNEE(S): Bayer Aktiengesellschaft, Germany
SOURCE: PCT Int. Appl., 81 pp.

DOCUMENT TYPE: Patent

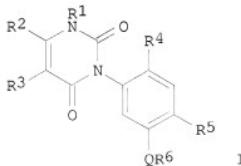
LANGUAGE: German

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001077084	A1	20011018	WO 2001-EP3332	20010323
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
DE 10016893	A1	20011018	DE 2000-10016893	20000405
AU 200154731	A	20011023	AU 2001-54731	20010323
CA 2404759	A1	20021002	CA 2001-2404759	20010323
EP 1272478	A1	20030108	EP 2001-927790	20010323
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2001009784	A	20030121	BR 2001-9784	20010323
JP 2003530386	T	20031014	JP 2001-575559	20010323
IN 2001MU00274	A	20050304	IN 2001-MU274	20010323
US 2002173425	A1	20021121	US 2002-19842	20020220
US 6649760	B2	20031118		
MX 2002PA09835	A	20030527	MX 2002-PA9835	20021004
US 2004023805	A1	20040205	US 2003-629450	20030729
PRIORITY APPLN. INFO.:			DE 2000-10016893	A 20000405
			WO 2001-EP3332	W 20010323
			US 2002-19842	A3 20020220

OTHER SOURCE(S): MARPAT 135:303905
GI



AB Title compds. [I; Q = O, S, SO, SO2; R1 = H, amino, (substituted) alkyl,

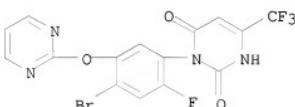
alkenyl, alkynyl; R2 = cyano, CO₂H, carbamoyl, thiocarbamoyl, (substituted) alkyl, alkoxy carbonyl; R3 = H, halo, (halo)alkyl; R4 = H, NO₂, cyano, halo; R5 = cyano, thiocarbamoyl, Br, (substituted) alkyl, alkoxy; R6 = (substituted) pyrrolyl, pyrazolyl, imidazolyl, triazolyl, pyridinyl, pyrazinyl, etc.], were prepared. Thus, Me 3-amino-4,4-trifluorocrotonate was added to a cooled mixture of NaH and DMF followed by warming to room temperature and addition of 4-bromo-2-fluoro-5-(pyrimidin-2-yloxy)phenylcarbamic acid Et ester (preparation given) in DMF to give after 6 h at 150° 64% I (Q = O; R1, R3 = H; R2 = CF₃; R4 = F; R5 = Br; R6 = pyrimidin-2-yl). I at 1000 ppm were said to show very strong pre- and postemergent herbicidal activity.

IT 367252-90-2P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(preparation of heterocyclyoxyphenoxyphenyluracils as herbicides)

RN 367252-90-2 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-(2-pyrimidinyloxy)phenyl]-6-(trifluoromethyl)- (CA INDEX NAME)



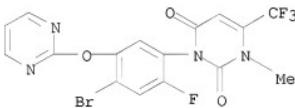
IT 367252-92-4P 367253-12-1P 367253-13-2P

367253-14-3P 367253-15-4P 367253-22-3P
367253-23-4P 367253-26-7P 367253-27-8P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of heterocyclyoxyphenoxyphenyluracils as herbicides)

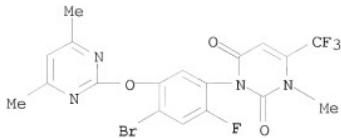
RN 367252-92-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-(2-pyrimidinyloxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

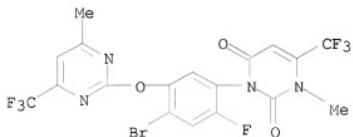


RN 367253-12-1 CAPLUS

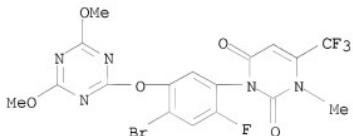
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-5-[(4,6-dimethyl-2-pyrimidinyl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



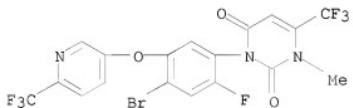
RN 367253-13-2 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-[(4-methyl-6-(trifluoromethyl)-2-pyrimidinyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)-
 (CA INDEX NAME)



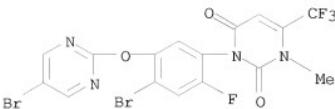
RN 367253-14-3 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-5-[(4,6-dimethoxy-1,3,5-triazin-2-yl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)-
 (CA INDEX NAME)



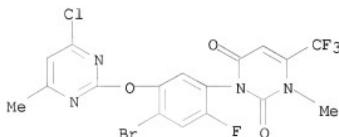
RN 367253-15-4 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-[(6-(trifluoromethyl)-3-pyridinyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)-
 (CA INDEX NAME)



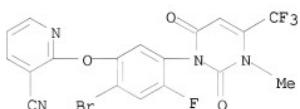
RN 367253-22-3 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-5-[(5-bromo-2-pyrimidinyl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)-
 (CA INDEX NAME)



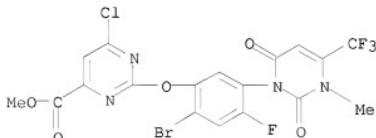
RN 367253-23-4 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-5-[(4-chloro-6-methyl-2-pyrimidinyl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 367253-26-7 CAPLUS
 CN 3-Pyridinecarbonitrile, 2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



RN 367253-27-8 CAPLUS
 CN 4-Pyrimidinecarboxylic acid, 2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-chloro-, methyl ester (CA INDEX NAME)

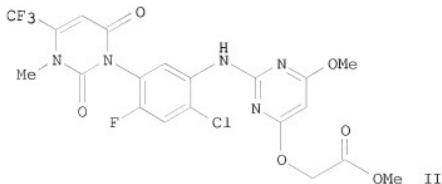
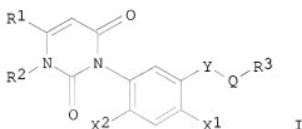


REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 35 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2001:581490 CAPLUS
 DOCUMENT NUMBER: 135:152820
 TITLE: Synthesis of uracil derivatives (e.g. pyrimidinyl-aryl-pyrimidinyloxy-acetates) as

INVENTOR(S): herbicides
PATENT ASSIGNEE(S): Tohyama, Yoshitomo; Sanemitsu, Yuzuru
Sumitomo Chemical Co., Ltd., Japan
SOURCE: Eur. Pat. Appl., 122 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

OTHER SOURCE(S): MARPAT 135:152820
GI



AB Title compds. I [Q-R3 = an R3 substituted 5 - 6 membered heterocycle having 1 or 2 N atoms selected from pyridinyl, pyrazolyl, pyrimidinyl, etc.; Y = O, S, (alkyl)imino; R1 = (halo)alkyl; R2 = alkyl; R3 = carboxyalkyl, (halo)alkoxycarbonylalkyl, etc.; X1 = halo, CN, thiocarbamoyl, NO2; X2 = H, halo] were prepared. Examples include over 30 synthetic preps., 5 formulations and 8 tests of herbicidal efficacy. For instance, 2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]aniline was reacted with 6-methoxy-4-((methoxycarbonyl)methoxy)-2-methylsulfonylpurimidine (preparation given) and K2CO3 in DMF at 80°C to give II. II @ 32 g/ha (formulation given) when applied to foliage barnyard grass, large crabgrass, giant foxtail and wild oat resulted in at least 80% growth inhibited compared to a prior art analog. I were said to exhibit selectivity between weeds and crops (no data).

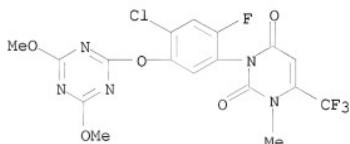
IT 114169-64-1D, analog for herbicidal comparison

353293-67-1D, analog for comparison

RL: AGR (Agricultural use); BIOL (Biological study); USES (Uses) (synthesis of uracil derivs. (e.g. pyrimidinyl-aryl-pyrimidinyloxy-acetates) as herbicides)

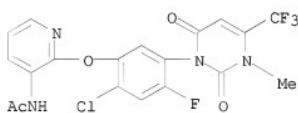
RN 114169-64-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4,6-dimethoxy-1,3,5-triazin-2-yl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 353293-67-1 CAPLUS

CN Acetamide, N-[2-(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy)-3-pyridinyl]- (CA INDEX NAME)



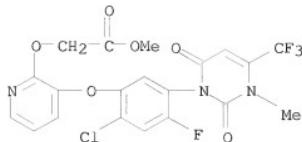
IT 353292-14-5P 353292-34-9P 353292-38-3P

353292-39-4P 353292-43-0P 353292-72-5P

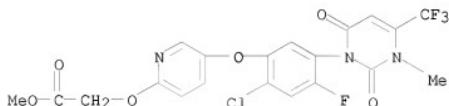
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses) (synthesis of uracil derivs. (e.g. pyrimidinyl-aryl-pyrimidinyloxy-acetates) as herbicides)

RN 353292-14-5 CAPLUS

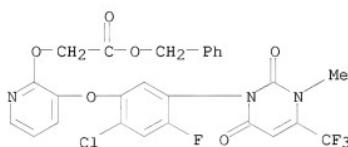
CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl)oxy]-, methyl ester (9CI) (CA INDEX NAME)



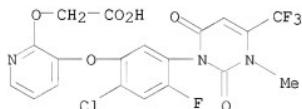
RN 353292-34-9 CAPLUS
 CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



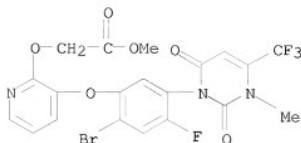
RN 353292-38-3 CAPLUS
 CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, phenylmethyl ester (9CI) (CA INDEX NAME)



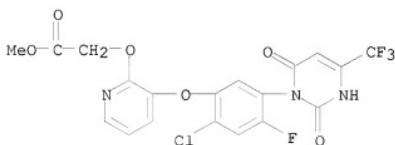
RN 353292-39-4 CAPLUS
 CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]- (9CI) (CA INDEX NAME)



RN 353292-43-0 CAPLUS
 CN Acetic acid, [(3-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



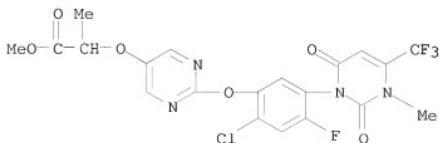
RN 353292-72-5 CAPLUS
 CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI)
 (CA INDEX NAME)



IT 353292-10-1P 353292-11-2P 353292-12-3P
 353292-13-4P 353292-15-6P 353292-17-8P
 353292-18-9P 353292-19-0P 353292-20-3P
 353292-21-4P 353292-22-5P 353292-23-6P
 353292-24-7P 353292-25-8P 353292-26-9P
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 353292-42-9P 353292-45-2P 353292-47-4P
 353292-48-5P 353292-49-6P 353292-50-9P
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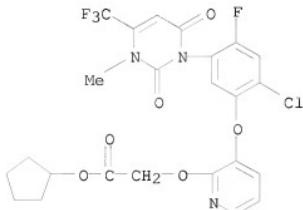
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (synthesis of uracil derivs. (e.g. pyrimidinyl-aryl-pyrimidinyl oxo-acetates) as herbicides)

RN 353292-10-1 CAPLUS
 CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-5-pyrimidinyl]oxy]-, methyl ester (CA INDEX NAME)



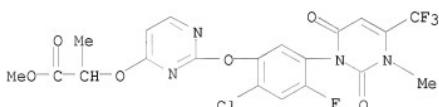
RN 353292-11-2 CAPLUS

CN Acetic acid, {[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy}-, cyclopentyl ester (9CI) (CA INDEX NAME)



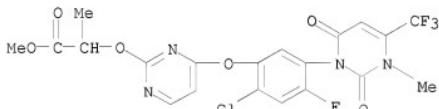
RN 353292-12-3 CAPLUS

CN Propanoic acid, 2-[{2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-4-pyrimidinyl]oxy}-, methyl ester (CA INDEX NAME)



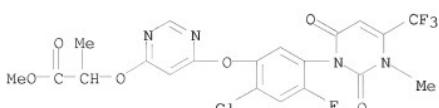
RN 353292-13-4 CAPLUS

CN Propanoic acid, 2-[{4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyrimidinyl]oxy}-, methyl ester (CA INDEX NAME)



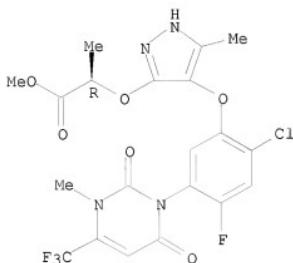
RN 353292-15-6 CAPLUS

CN Propanoic acid, 2-[{6-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-4-pyrimidinyl]oxy}-, methyl ester (CA INDEX NAME)



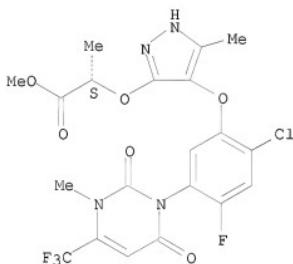
RN 353292-17-8 CAPLUS
 CN Propanoic acid, 2-[(4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-5-methyl-1H-pyrazol-3-yl]oxy]-, methyl ester, (2R)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

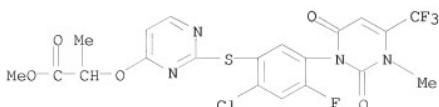


RN 353292-18-9 CAPLUS
 CN Propanoic acid, 2-[(4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-5-methyl-1H-pyrazol-3-yl]oxy]-, methyl ester, (2S)- (CA INDEX NAME)

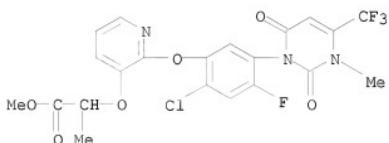
Absolute stereochemistry. Rotation (-).



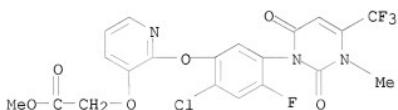
RN 353292-19-0 CAPLUS
 CN Propanoic acid, 2-[(2-[(2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenyl]thio)-4-pyrimidinyl]oxy]-, methyl ester (CA INDEX NAME)



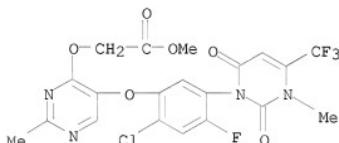
RN 353292-20-3 CAPLUS
 CN Propanoic acid, 2-[{2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}-3-pyridinyl]oxy]-, methyl ester (CA INDEX NAME)



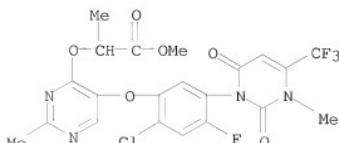
RN 353292-21-4 CAPLUS
 CN Acetic acid, [{2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}-3-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 353292-22-5 CAPLUS
 CN Acetic acid, [{5-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-methyl-4-pyrimidinyl}oxy]-, methyl ester (9CI) (CA INDEX NAME)

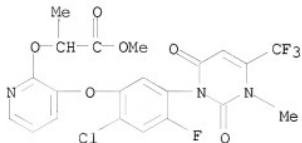


RN 353292-23-6 CAPLUS
 CN Propanoic acid, 2-[{5-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-methyl-4-pyrimidinyl}oxy]-, methyl ester (CA INDEX NAME)



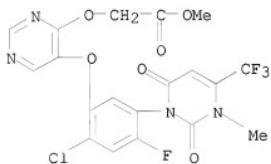
RN 353292-24-7 CAPLUS

CN Propanoic acid, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (CA INDEX NAME)



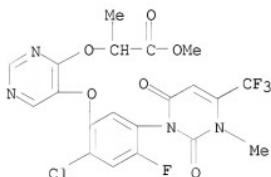
RN 353292-25-8 CAPLUS

CN Acetic acid, [(5-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-4-pyrimidinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



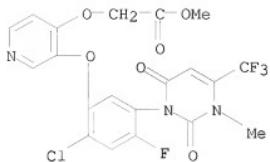
RN 353292-26-9 CAPLUS

CN Propanoic acid, 2-[(5-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-4-pyrimidinyl]oxy]-, methyl ester (CA INDEX NAME)



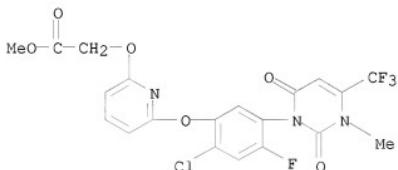
RN 353292-27-0 CAPLUS

CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-4-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



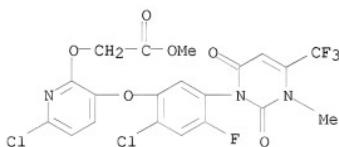
RN 353292-28-1 CAPLUS

CN Acetic acid, [(6-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



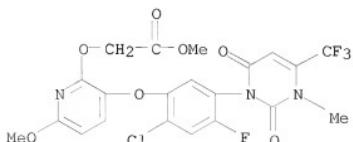
RN 353292-29-2 CAPLUS

CN Acetic acid, [(6-chloro-3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



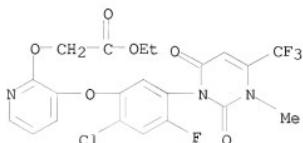
RN 353292-30-5 CAPLUS

CN Acetic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-methoxy-2-pyridinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



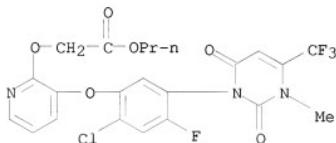
RN 353292-31-6 CAPLUS

CN Acetic acid, 2-[[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, ethyl ester (CA INDEX NAME)



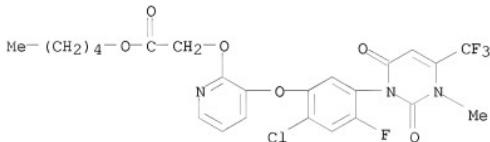
RN 353292-32-7 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, propyl ester (9CI) (CA INDEX NAME)



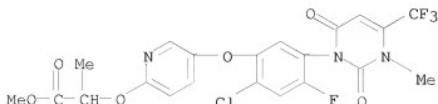
RN 353292-33-8 CAPLUS

CN Acetic acid, [[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, pentyl ester (9CI) (CA INDEX NAME)

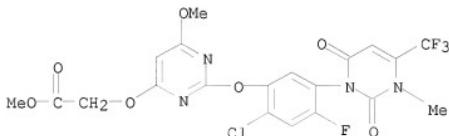


RN 353292-35-0 CAPLUS

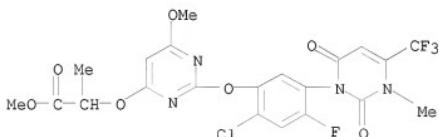
CN Propanoic acid, 2-[[5-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (CA INDEX NAME)



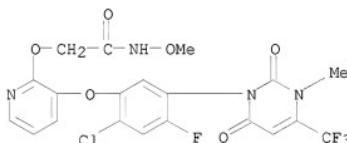
RN 353292-36-1 CAPLUS
 CN Acetic acid, [(2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-methoxy-4-pyrimidinyl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



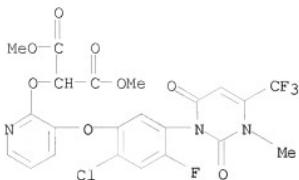
RN 353292-37-2 CAPLUS
 CN Propanoic acid, 2-[(2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-6-methoxy-4-pyrimidinyl]oxy]-, methyl ester (CA INDEX NAME)



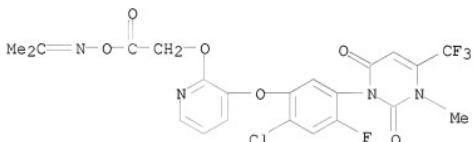
RN 353292-40-7 CAPLUS
 CN Acetamide, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-N-methoxy- (CA INDEX NAME)



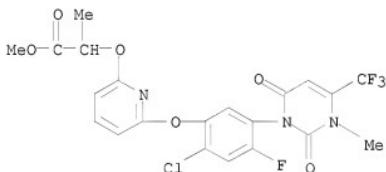
RN 353292-41-8 CAPLUS
 CN Propanedioic acid, [(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, dimethyl ester (9CI) (CA INDEX NAME)



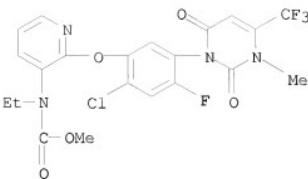
RN 353292-42-9 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-[2-[(1-methylethylidene)amino]oxy]-2-oxethoxy]-3-pyridinyl]oxyphenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



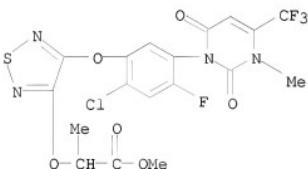
RN 353292-45-2 CAPLUS
 CN Propanoic acid, 2-[(6-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-, methyl ester (CA INDEX NAME)



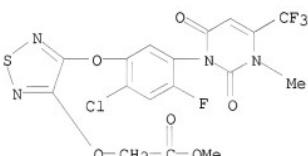
RN 353292-47-4 CAPLUS
 CN Carbanic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-pyridinyl]ethyl-, methyl ester (9CI) (CA INDEX NAME)



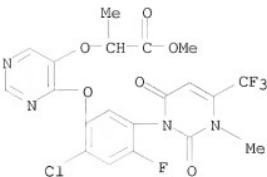
RN 353292-48-5 CAPLUS
 CN Propanoic acid, 2-[4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1,2,5-thiadiazol-3-yl]oxy]-, methyl ester (CA INDEX NAME)



RN 353292-49-6 CAPLUS
 CN Acetic acid, [[4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1,2,5-thiadiazol-3-yl]oxy]-, methyl ester (9CI) (CA INDEX NAME)

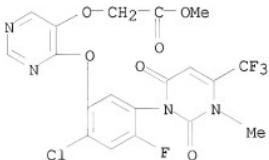


RN 353292-50-9 CAPLUS
 CN Propanoic acid, 2-[4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-5-pyrimidinyl]oxy]-, methyl ester (CA INDEX NAME)



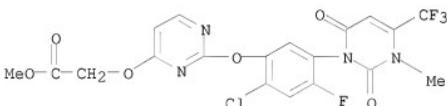
RN 353292-51-0 CAPLUS

CN Acetic acid, [(4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-5-pyrimidinyl]oxy]-methyl ester (9CI) (CA INDEX NAME)



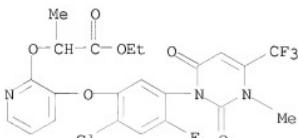
RN 353292-52-1 CAPLUS

CN Acetic acid, [(2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-4-pyrimidinyl]oxy]-methyl ester (9CI) (CA INDEX NAME)



RN 353292-69-0 CAPLUS

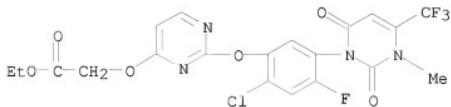
CN Propanoic acid, 2-[(3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl]oxy]-ethyl ester (CA INDEX NAME)



RN 353292-70-3 CAPLUS

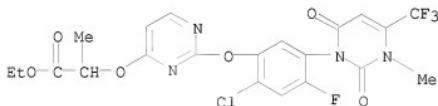
CN Acetic acid, [(2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-4-pyrimidinyl]oxy]-, ethyl ester (9CI) (CA INDEX NAME)



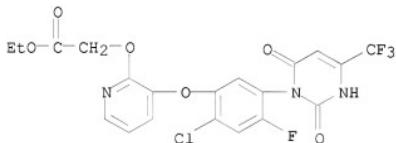
RN 353292-71-4 CAPLUS

CN Propanoic acid, 2-[{2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}-4-pyrimidinyl]oxy]-, ethyl ester (CA INDEX NAME)



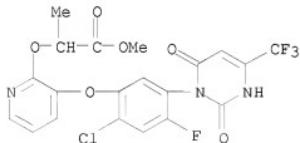
RN 353292-73-6 CAPLUS

CN Acetic acid, [{3-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}-2-pyridinyl]oxy]-, ethyl ester (9CI) (CA INDEX NAME)



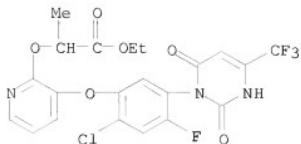
RN 353292-74-7 CAPLUS

CN Propanoic acid, 2-[{3-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}-2-pyridinyl]oxy]-, methyl ester (CA INDEX NAME)

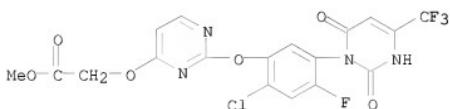


RN 353292-75-8 CAPLUS

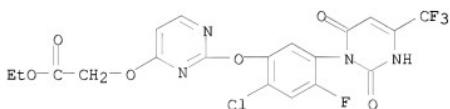
CN Propanoic acid, 2-[{3-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy}-2-pyridinyl]oxy]-, ethyl ester (CA INDEX NAME)



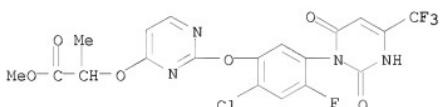
RN 353292-76-9 CAPLUS
 CN Acetic acid, [(2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-4-pyrimidinyl]oxyl-, methyl ester (9CI) (CA INDEX NAME)



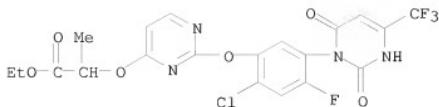
RN 353292-77-0 CAPLUS
 CN Acetic acid, [(2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-4-pyrimidinyl]oxyl-, ethyl ester (9CI) (CA INDEX NAME)



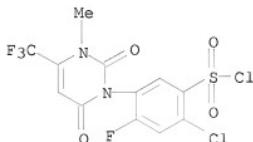
RN 353292-78-1 CAPLUS
 CN Propanoic acid, 2-[(2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-4-pyrimidinyl]oxy]-, methyl ester (CA INDEX NAME)



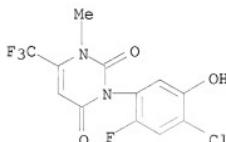
RN 353292-79-2 CAPLUS
 CN Propanoic acid, 2-[(2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-4-pyrimidinyl]oxy]-, ethyl ester (CA INDEX NAME)



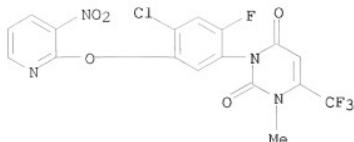
- IT 146423-50-9
 RL: RCT (Reactant); RACT (Reactant or reagent)
 (synthesis of uracil derivs. (e.g. pyrimidinyl-aryl-pyrimidinyloxy-acetates) as herbicides)
 RN 146423-50-9 CAPLUS
 CN Benzenesulfonyl chloride, 2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluoro- (CA INDEX NAME)



- IT 114136-60-6P 114169-66-3P 353292-90-7P
 353292-91-8P 353292-92-9P 353292-93-0P
 353292-94-1P 353292-95-2P 353293-26-2P
 353293-27-3P 353293-28-4P 353293-29-5P
 353293-45-5P 353293-51-3P 353293-52-4P
 353293-53-5P 353293-54-6P 353293-58-0P
 353293-59-1P 353293-60-4P 353293-61-5P
 353293-62-6P 353293-63-7P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
 (Reactant or reagent)
 (synthesis of uracil derivs. (e.g. pyrimidinyl-aryl-pyrimidinyloxy-acetates) as herbicides)
 RN 114136-60-6 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-hydroxyphenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

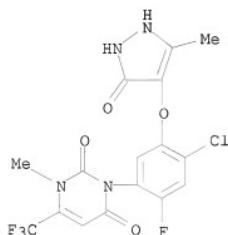


- RN 114169-66-3 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(3-nitro-2-pyridinyl)oxyl]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



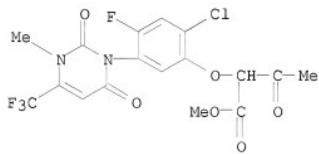
RN 353292-90-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(2,3-dihydro-5-methyl-3-oxo-1H-pyrazol-4-yl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



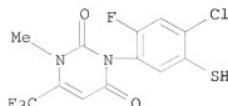
RN 353292-91-8 CAPLUS

CN Butanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-oxo-, methyl ester (CA INDEX NAME)



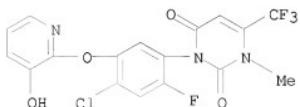
RN 353292-92-9 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-mercaptophenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

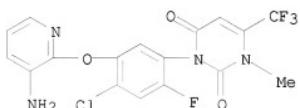


RN 353292-93-0 CAPLUS

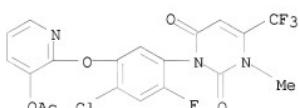
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(3-hydroxy-2-pyridinyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



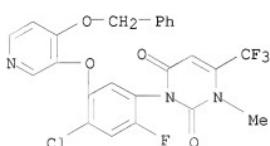
RN 353292-94-1 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-[(3-amino-2-pyridinyl)oxy]-4-chloro-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



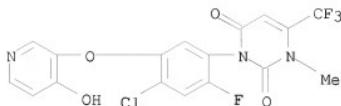
RN 353292-95-2 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-[(3-(acetyloxy)-2-pyridinyl)oxy]-4-chloro-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



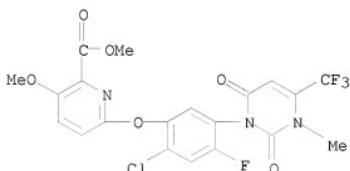
RN 353293-26-2 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(4-(phenylmethoxy)-3-pyridinyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



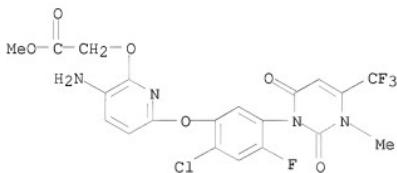
RN 353293-27-3 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(4-hydroxy-3-pyridinyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



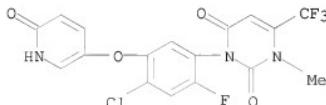
RN 353293-28-4 CAPLUS
 CN 2-Pyridinecarboxylic acid, 6-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-3-methoxy-, methyl ester (CA INDEX NAME)



RN 353293-29-5 CAPLUS
 CN Acetic acid, [(3-amino-6-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-pyridinyl)oxy]-methyl ester (9CI) (CA INDEX NAME)

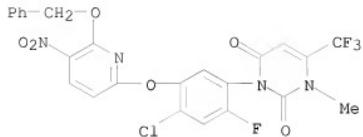


RN 353293-45-5 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(1,6-dihydro-6-oxo-3-pyridinyl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

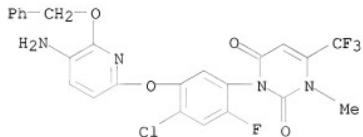


RN 353293-51-3 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(5-nitro-6-(phenylmethoxy)-2-pyridinyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

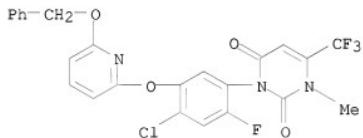
INDEX NAME)



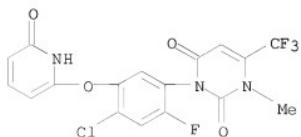
RN 353293-52-4 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[5-[(5-amino-6-(phenylmethoxy)-2-pyridinyl)oxy]-4-chloro-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 353293-53-5 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(6-(phenylmethoxy)-2-pyridinyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

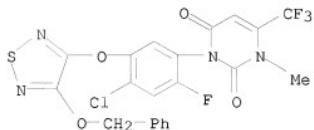


RN 353293-54-6 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(1,6-dihydro-6-oxo-2-pyridinyl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



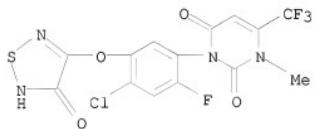
RN 353293-58-0 CAPLUS
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(4-(phenylmethoxy)-2-oxo-1,2-dihydro-3H-pyridinyl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)-

1,2,5-thiadiazol-3-yl]oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



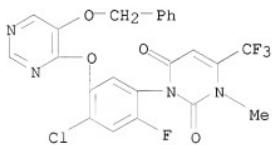
RN 353293-59-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(4,5-dihydro-4-oxo-1,2,5-thiadiazol-3-yl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



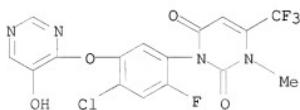
RN 353293-60-4 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(5-(phenylmethoxy)-4-pyrimidinyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



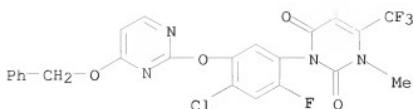
RN 353293-61-5 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(5-hydroxy-4-pyrimidinyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



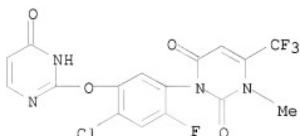
RN 353293-62-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(4-(phenylmethoxy)-2-pyrimidinyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 353293-63-7 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-5-[(1,4-dihydro-4-oxo-2-pyrimidinyl)oxy]-2-fluorophenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 36 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:481840 CAPLUS

DOCUMENT NUMBER: 135:72718

TITLE: Phenyluracil thioester derivatives and herbicides containing them

INVENTOR(S): Komori, Takashi; Sanemitsu, Yuzuru

PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 13 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

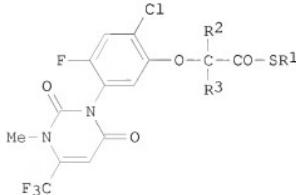
FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001181262	A	20010703	JP 2000-170230	20000607
PRIORITY APPLN. INFO.:			JP 1999-292232	A 19991014

OTHER SOURCE(S): MARPAT 135:72718

GI



AB The title derivs. I [R1 = Cl-8 (halo)alkyl, C3-8 (halo)alkenyl, C3-8 (halo)alkynyl, C3-8 cycloalkyl, (un)substituted Ph, (un)substituted benzyl; R2 = H, Cl-4 alkyl, Ph; R3 = H, Cl-4 alkyl] are prepared. Herbicides containing I are also claimed. An emulsion containing Me

2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]propanethioate (preparation given) completely inhibited growth of Echinochloa crus-galli, Ipomoea hederacea, and Abutilon avicennae.

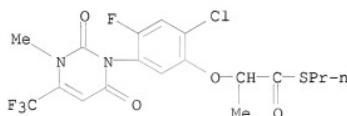
IT 347371-31-7 347371-33-9 347371-34-0
 347371-35-1 347371-37-3 347371-39-5
 347371-41-9 347371-43-1 347371-44-2
 347371-45-3 347371-46-4 347371-47-5
 347371-48-6 347371-49-7 347371-50-0
 347371-51-1 347371-52-2 347371-53-3
 347371-54-4

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)

(preparation of phenyluracil thioester derivs. as herbicides)

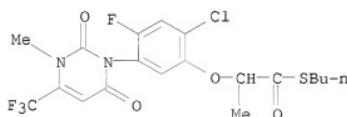
RN 347371-31-7 CAPLUS

CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-propyl ester (CA INDEX NAME)



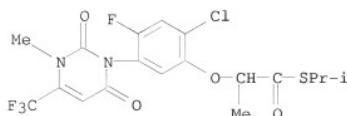
RN 347371-33-9 CAPLUS

CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-butyl ester (CA INDEX NAME)

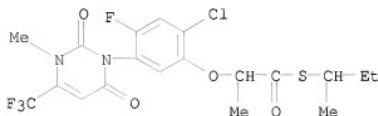


RN 347371-34-0 CAPLUS

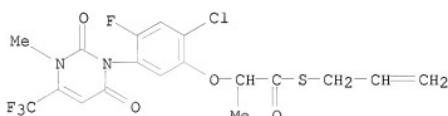
CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-(1-methylethyl) ester (CA INDEX NAME)



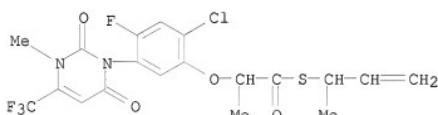
RN 347371-35-1 CAPLUS
CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-(1-methylpropyl) ester (CA INDEX NAME)



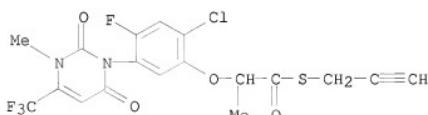
RN 347371-37-3 CAPLUS
CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-2-propenyl ester (9CI) (CA INDEX NAME)



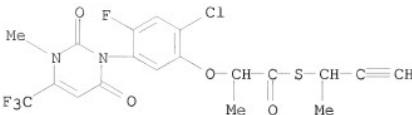
RN 347371-39-5 CAPLUS
CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-(1-methyl-2-propenyl) ester (9CI) (CA INDEX NAME)



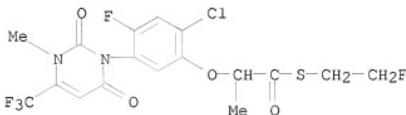
RN 347371-41-9 CAPLUS
CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-2-propynyl ester (9CI) (CA INDEX NAME)



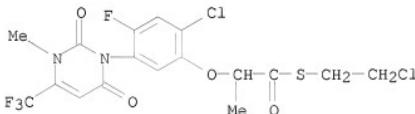
RN 347371-43-1 CAPLUS
CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-(1-methyl-2-propynyl) ester (9CI) (CA INDEX NAME)



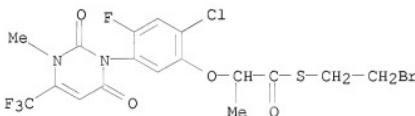
RN 347371-44-2 CAPLUS
 CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-(2-fluoroethyl) ester (CA INDEX NAME)



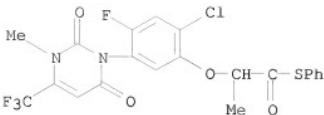
RN 347371-45-3 CAPLUS
 CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-(2-chloroethyl) ester (CA INDEX NAME)



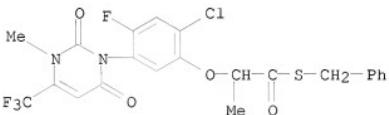
RN 347371-46-4 CAPLUS
 CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-(2-bromoethyl) ester (CA INDEX NAME)



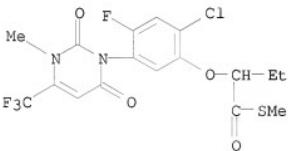
RN 347371-47-5 CAPLUS
 CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-phenyl ester (CA INDEX NAME)



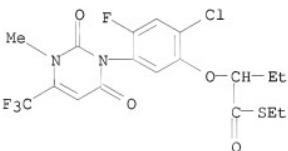
RN 347371-48-6 CAPLUS
 CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-(phenylimethyl) ester (CA INDEX NAME)



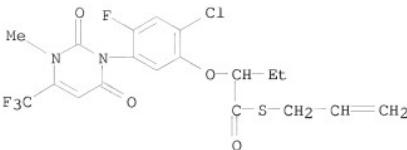
RN 347371-49-7 CAPLUS
 CN Butanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-methyl ester (CA INDEX NAME)



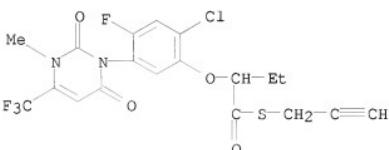
RN 347371-50-0 CAPLUS
 CN Butanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-ethyl ester (CA INDEX NAME)



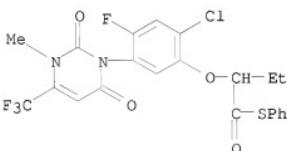
RN 347371-51-1 CAPLUS
 CN Butanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-2-propenyl ester (9CI) (CA INDEX NAME)



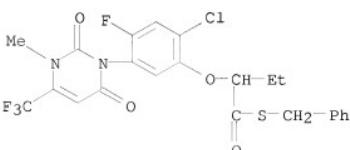
RN 347371-52-2 CAPLUS
 CN Butanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-2-propynyl ester (9CI) (CA INDEX NAME)



RN 347371-53-3 CAPLUS
 CN Butanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-phenyl ester (CA INDEX NAME)



RN 347371-54-4 CAPLUS
 CN Butanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-(phenylmethyl) ester (CA INDEX NAME)

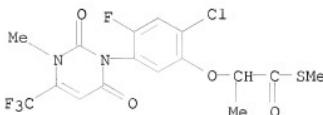


IT 347371-24-8P 347371-25-9P 347371-26-0P
 347371-27-1P 347371-29-3P
 RL: AGR (Agricultural use); BAC (Biological activity or effector, except

adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of phenyluracil thioester derivs. as herbicides)

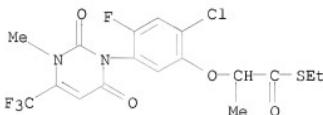
RN 347371-24-8 CAPLUS

CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-methyl ester (CA INDEX NAME)



RN 347371-25-9 CAPLUS

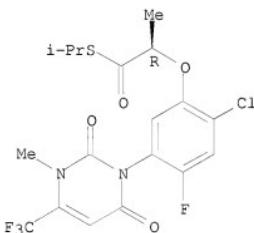
CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-ethyl ester (CA INDEX NAME)



RN 347371-26-0 CAPLUS

CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-(1-methylethyl) ester, (2R)- (CA INDEX NAME)

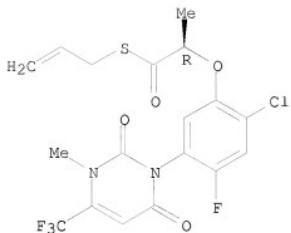
Absolute stereochemistry.



RN 347371-27-1 CAPLUS

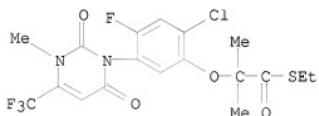
CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, S-2-propenyl ester, (2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 347371-29-3 CAPLUS

CN Propanethioic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-2-methyl-, S-ethyl ester (CA INDEX NAME)

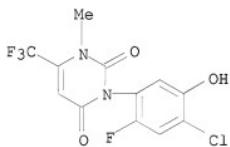


IT 114136-60-6 114169-04-9

RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of phenyluracil thioester derivs. as herbicides)

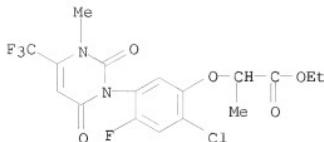
RN 114136-60-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 114169-04-9 CAPLUS

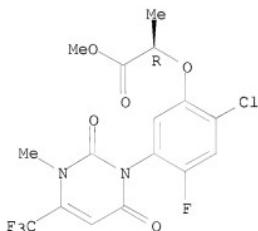
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester (CA INDEX NAME)



IT 280762-82-5P 280762-88-1P 303030-46-8P
326851-98-3P 345913-80-6P

RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
(preparation of phenyluracil thioester derivs. as herbicides)
RN 280762-82-5 CAPLUS
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester,
(2R)- (CA INDEX NAME)

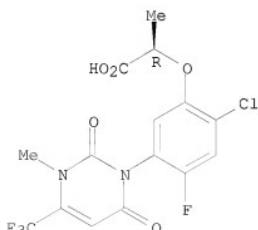
Absolute stereochemistry. Rotation (+).



RN 280762-88-1 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, (2R)- (CA INDEX NAME)

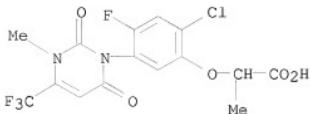
Absolute stereochemistry.



RN 303030-46-8 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

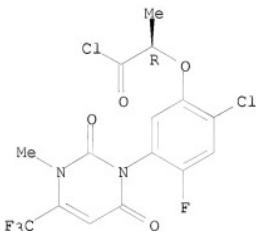
(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



RN 326851-98-3 CAPLUS

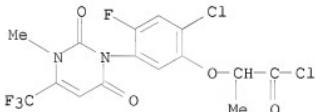
CN Propanoyl chloride, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



RN 345913-80-6 CAPLUS

CN Propanoyl chloride, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



L3 ANSWER 37 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:463172 CAPLUS

DOCUMENT NUMBER: 135:57345

TITLE: Synergistic herbicidal compositions containing phenoxypropionates and components such as sulcotrione

INVENTOR(S): Mito, Nobuaki

PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan

SOURCE: Jpn. Kokai Tokkyo Koho, 7 pp.

CODEN: JKXXAF

DOCUMENT TYPE: Patent

LANGUAGE: Japanese

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.

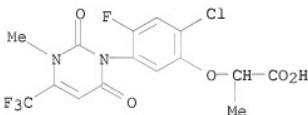
KIND

DATE

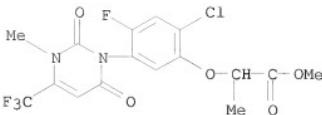
APPLICATION NO.

DATE

JP 2001172109	A 20010626	JP 1999-362405	19991221
PRIORITY APPLN. INFO.:		JP 1999-362405	19991221
AB Superior herbicidal compns. contain 2-[2-chloro-4-fluoro-5-{3-methyl-1-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl}phenoxy]propionic acid (I) esters and sulcotrione, mesotrione, isoxaflutole, or isoxachlortole as the active components. The compns. are especially useful for controlling weeds in corn fields. Thus, I Me ester + isoxachlortole at 120 + 100 g/ha controlled Cyperus esculentus more effectively than did either of the components applied sep. at the same rate, with no damage to corn.			
IT 303030-46-8D, esters, mixts. with sulcotrione, mesotrione, isoxaflutole, and isoxachlortole 345667-05-2 345667-06-3			
345667-07-4 345667-08-5 345667-09-6			
345667-10-9 345667-11-0 345667-12-1			
345667-13-2 345667-14-3 345667-15-4			
345667-16-5 345667-17-6 345667-18-7			
345667-19-8 345667-20-1 345667-21-2			
345667-22-3 345667-23-4 345667-24-5			
345667-25-6 345667-26-7 345667-27-8			
345667-28-9 345667-29-0 345667-30-3			
345667-31-4 345667-32-5 345667-33-6			
345667-34-7 345667-35-8 345667-36-9			
345667-37-0 345667-38-1 345667-39-2			
345667-40-5 345667-41-6 345667-42-7			
345667-43-8 345667-44-9 345667-45-0			
345667-46-1 345667-47-2 345667-48-3			
345667-49-4 345667-50-7 345667-51-8			
345667-52-9 345667-53-0 345667-54-1			
345667-55-2 345667-56-3			
RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); BIOL (Biological study); USES (Uses)			
(synergistic herbicides)			
RN 303030-46-8 CAPLUS			
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)			

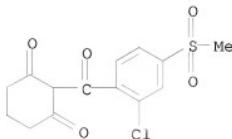


RN 345667-05-2 CAPLUS			
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester, mixt. with 2-[2-chloro-4-(methylsulfonyl)benzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)			
CM 1			
CRN 311810-43-2			
CME C16 H13 Cl F4 N2 O5			



CM 2

CRN 99105-77-8
CMF C14 H13 Cl O5 S

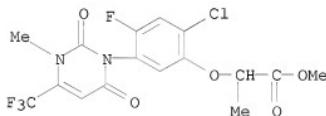


RN 345667-06-3 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester, mixt. with 2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

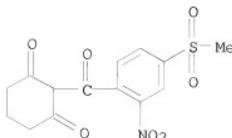
CM 1

CRN 311810-43-2
CMF C16 H13 Cl F4 N2 O5



CM 2

CRN 104206-82-8
CMF C14 H13 N O7 S



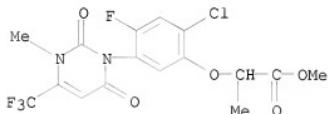
RN 345667-07-4 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester, mixt. with (5-cyclopropyl-4-isoxazolyl)[2-(methylsulfonyl)-4-(trifluoromethyl)phenyl]methanone (9CI) (CA INDEX NAME)

CM 1

CRN 311810-43-2

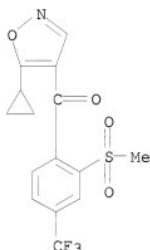
CMF C16 H13 Cl F4 N2 O5



CM 2

CRN 141112-29-0

CMF C15 H12 F3 N O4 S



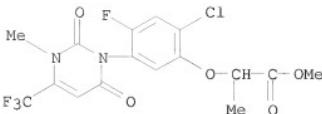
RN 345667-08-5 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester, mixt. with [4-chloro-2-(methylsulfonyl)phenyl](5-cyclopropyl-4-isoxazolyl)methanone (9CI) (CA INDEX NAME)

CM 1

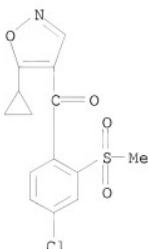
CRN 311810-43-2

CMF C16 H13 Cl F4 N2 O5



CM 2

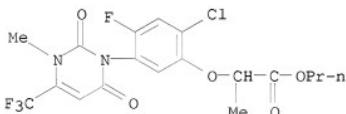
CRN 141112-06-3
 CMF C14 H12 Cl N O4 S



RN 345667-09-6 CAPLUS
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, propyl ester, mixt. with 2-[2-chloro-4-(methylsulfonyl)benzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

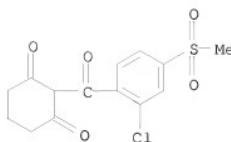
CM 1

CRN 311810-44-3
 CMF C18 H17 Cl F4 N2 O5



CM 2

CRN 99105-77-8
 CMF C14 H13 Cl O5 S



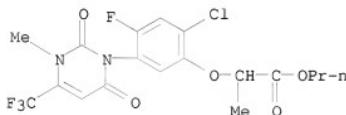
RN 345667-10-9 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, propyl ester, mixt. with 2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

CM 1

CRN 311810-44-3

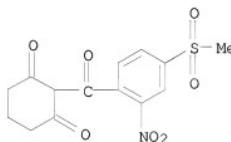
CMF C18 H17 Cl F4 N2 O5



CM 2

CRN 104206-82-8

CMF C14 H13 N O7 S



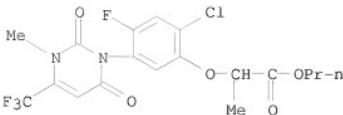
RN 345667-11-0 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, propyl ester, mixt. with (5-cyclopropyl-4-isoxazolyl)[2-(methylsulfonyl)-4-(trifluoromethyl)phenyl]methanone (9CI) (CA INDEX NAME)

CM 1

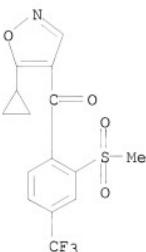
CRN 311810-44-3

CMF C18 H17 Cl F4 N2 O5



CM 2

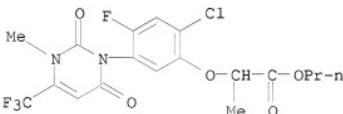
CRN 141112-29-0
 CMF C15 H12 F3 N O4 S



RN 345667-12-1 CAPLUS
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, propyl ester, mixt. with [4-chloro-2-(methylsulfonyl)phenyl](5-cyclopropyl-4-isoxazolyl)methanone (9CI) (CA INDEX NAME)

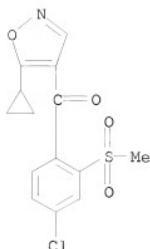
CM 1

CRN 311810-44-3
 CMF C18 H17 Cl F4 N2 O5



CM 2

CRN 141112-06-3
 CMF C14 H12 Cl N O4 S



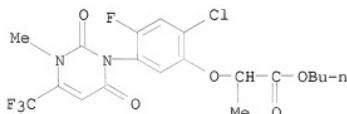
RN 345667-13-2 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, butyl ester, mixt. with 2-[2-chloro-4-(methylsulfonyl)benzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

CM 1

CRN 311810-45-4

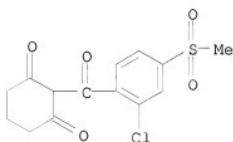
CMF C19 H19 Cl F4 N2 O5



CM 2

CRN 99105-77-8

CMF C14 H13 Cl O5 S

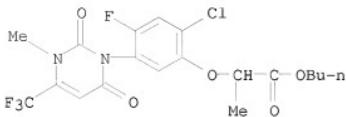


RN 345667-14-3 CAPLUS

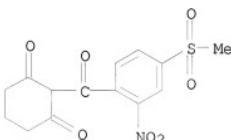
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, butyl ester, mixt. with 2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

CM 1

CRN 311810-45-4
CMF C19 H19 Cl F4 N2 O5

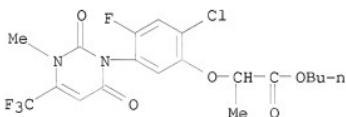


CM 2
CRN 104206-82-8
CMF C14 H13 N O7 S

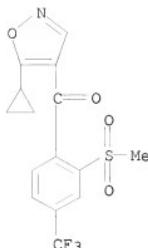


RN 345667-15-4 CAPLUS
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, butyl ester, mixt.
with (5-cyclopropyl-4-isoxazolyl){2-(methylsulfonyl)-4-(trifluoromethyl)phenyl}methanone (9CI) (CA INDEX NAME)

CM 1
CRN 311810-45-4
CMF C19 H19 Cl F4 N2 O5



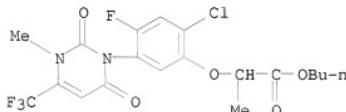
CM 2
CRN 141112-29-0
CMF C15 H12 F3 N O4 S



RN 345667-16-5 CAPLUS
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, butyl ester, mixt.
 with [4-chloro-2-(methylsulfonyl)phenyl](5-cyclopropyl-4-isoxazolyl)methanone (9CI) (CA INDEX NAME)

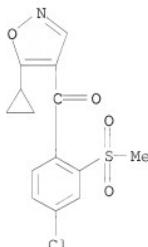
CM 1

CRN 311810-45-4
 CMF C19 H19 Cl F4 N2 O5



CM 2

CRN 141112-06-3
 CMF C14 H12 Cl N O4 S

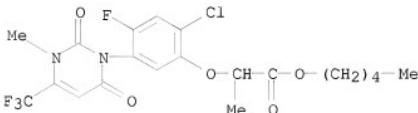


RN 345667-17-6 CAPLUS
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, pentyl ester,
mixt. with 2-[2-chloro-4-(methylsulfonyl)benzoyl]-1,3-cyclohexanedione
(9CI) (CA INDEX NAME)

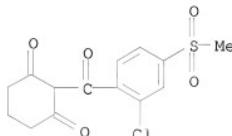
CM 1

CRN 311810-46-5
CME C20 H21 Cl F4 N2 O5



CM 2

CRN 99105-77-8
CME C14 H13 Cl O5 S

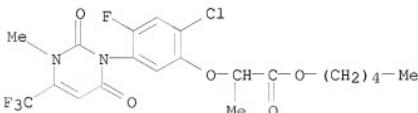


RN 345667-18-7 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, pentyl ester,
mixt. with 2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanedione
(9CI) (CA INDEX NAME)

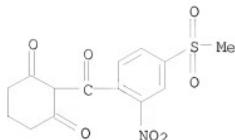
CM 1

CRN 311810-46-5
CME C20 H21 Cl F4 N2 O5



CM 2

CRN 104206-82-8
CME C14 H13 N O7 S



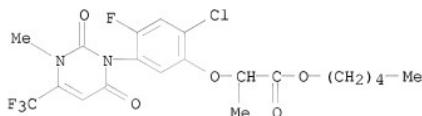
RN 345667-19-8 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, pentyl ester, mixt. with (5-cyclopropyl-4-isoxazolyl)[2-(methylsulfonyl)-4-(trifluoromethyl)phenyl]methanone (9CI) (CA INDEX NAME)

CM 1

CRN 311810-46-5

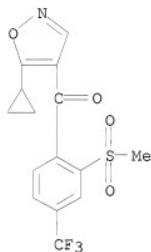
CMF C20 H21 Cl F4 N2 O5



CM 2

CRN 141112-29-0

CMF C15 H12 F3 N O4 S



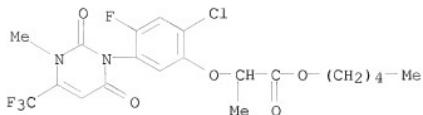
RN 345667-20-1 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, pentyl ester, mixt. with [4-chloro-2-(methylsulfonyl)phenyl](5-cyclopropyl-4-isoxazolyl)methanone (9CI) (CA INDEX NAME)

CM 1

CRN 311810-46-5

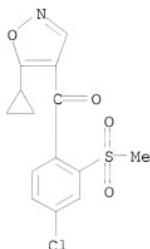
CMF C20 H21 Cl F4 N2 O5



CM 2

CRN 141112-06-3

CMF C14 H12 Cl N O4 S



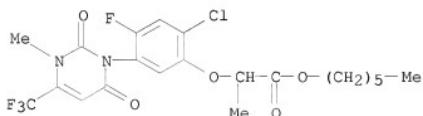
RN 345667-21-2 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-(3,6-dihydro-3-methyl-2,6-dioxo-4-trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy-, hexyl ester, mixt. with 2-[2-chloro-4-(methylsulfonyl)benzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

CM 1

CRN 311810-47-6

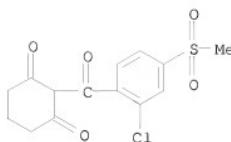
CMF C21 H23 Cl F4 N2 O5



CM 2

CRN 99105-77-8

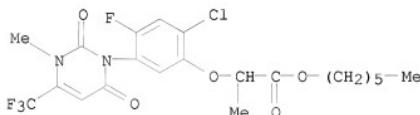
CMF C14 H13 Cl O5 S



RN 345667-22-3 CAPLUS
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, hexyl ester, mixt. with 2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

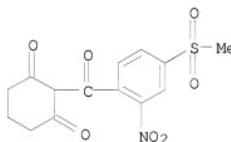
CM 1

CRN 311810-47-6
 CMF C21 H23 Cl F4 N2 O5



CM 2

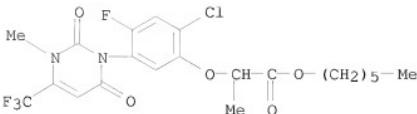
CRN 104206-82-8
 CMF C14 H13 N O7 S



RN 345667-23-4 CAPLUS
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, hexyl ester, mixt. with (5-cyclopropyl-4-isoxazolyl)[2-(methylsulfonyl)-4-(trifluoromethyl)phenyl]methanone (9CI) (CA INDEX NAME)

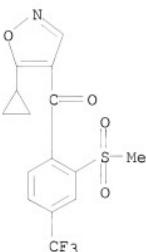
CM 1

CRN 311810-47-6
 CMF C21 H23 Cl F4 N2 O5



CM 2

CRN 141112-29-0
 CMF C15 H12 F3 N O4 S

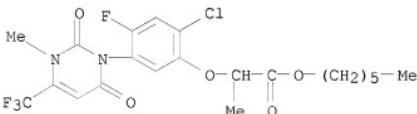


RN 345667-24-5 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, hexyl ester, mixt. with [4-chloro-2-(methylsulfonyl)phenyl](5-cyclopropyl-4-isoxazolyl)methanone (9CI) (CA INDEX NAME)

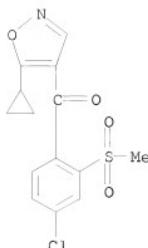
CM 1

CRN 311810-47-6
 CMF C21 H23 Cl F4 N2 O5



CM 2

CRN 141112-06-3
 CMF C14 H12 Cl N O4 S



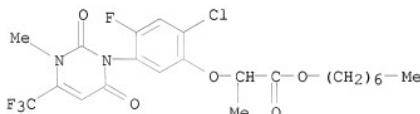
RN 345667-25-6 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, heptyl ester, mixt. with 2-[2-chloro-4-(methylsulfonyl)benzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

CM 1

CRN 311810-48-7

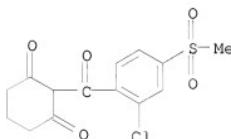
CMF C22 H25 Cl F4 N2 O5



CM 2

CRN 99105-77-8

CMF C14 H13 Cl O5 S

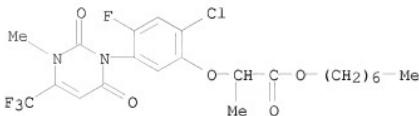


RN 345667-26-7 CAPLUS

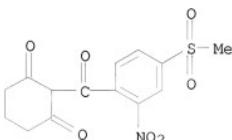
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, heptyl ester, mixt. with 2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

CM 1

CRN 311810-48-7
CMF C22 H25 Cl F4 N2 O5

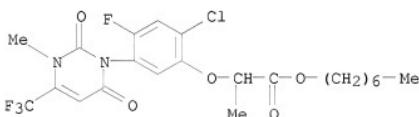


CM 2
CRN 104206-82-8
CMF C14 H13 N O7 S

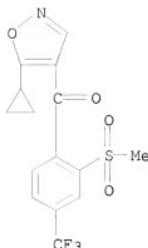


RN 345667-27-8 CAPLUS
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, heptyl ester, mixt. with (5-cyclopropyl-4-isoxazolyl)[2-(methylsulfonyl)-4-(trifluoromethyl)phenyl]methanone (9CI) (CA INDEX NAME)

CM 1
CRN 311810-48-7
CMF C22 H25 Cl F4 N2 O5



CM 2
CRN 141112-29-0
CMF C15 H12 F3 N O4 S



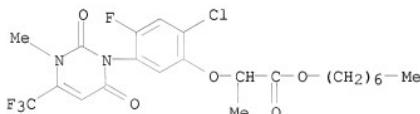
RN 345667-28-9 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, heptyl ester, mixt. with [4-chloro-2-(methylsulfonyl)phenyl](5-cyclopropyl-4-isoxazolyl)methanone (9CI) (CA INDEX NAME)

CM 1

CRN 311810-48-7

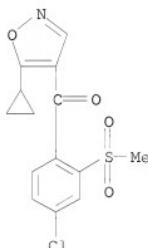
CMF C22 H25 Cl F4 N2 O5



CM 2

CRN 141112-06-3

CMF C14 H12 Cl N O4 S



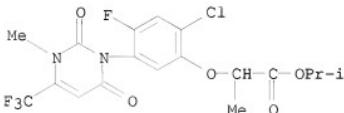
RN 345667-29-0 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 1-methylethyl ester, mixt. with 2-[2-chloro-4-(methylsulfonyl)benzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

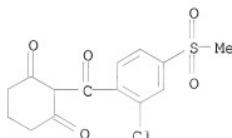
CM 1

CRN 311810-49-8
CME C18 H17 Cl F4 N2 O5



CM 2

CRN 99105-77-8
CME C14 H13 Cl O5 S

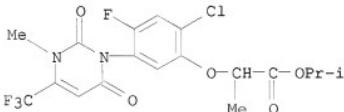


RN 345667-30-3 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 1-methylethyl ester, mixt. with 2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

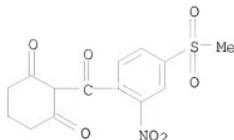
CM 1

CRN 311810-49-8
CME C18 H17 Cl F4 N2 O5



CM 2

CRN 104206-82-8
CME C14 H13 N O7 S



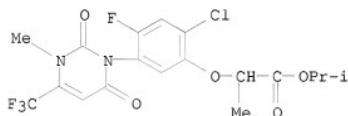
RN 345667-31-4 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 1-methylethyl ester, mixt. with (5-cyclopropyl-4-isoxazolyl)[2-(methylsulfonyl)-4-(trifluoromethyl)phenyl]methanone (9CI) (CA INDEX NAME)

CM 1

CRN 311810-49-8

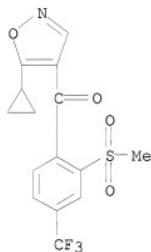
CMF C18 H17 Cl F4 N2 O5



CM 2

CRN 141112-29-0

CMF C15 H12 F3 N O4 S



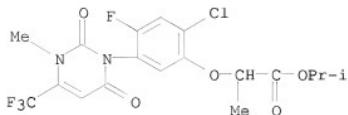
RN 345667-32-5 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 1-methylethyl ester, mixt. with [4-chloro-2-(methylsulfonyl)phenyl](5-cyclopropyl-4-isoxazolyl)methanone (9CI) (CA INDEX NAME)

CM 1

CRN 311810-49-8

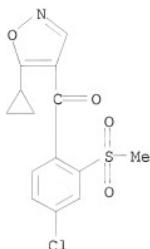
CMF C18 H17 Cl F4 N2 O5



CM 2

CRN 141112-06-3

CMF C14 H12 Cl N O4 S



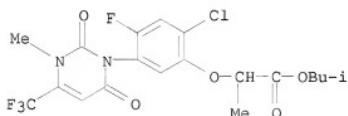
RN 345667-33-6 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-methylpropyl ester, mixt. with 2-[2-chloro-4-(methylsulfonyl)benzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

CM 1

CRN 311810-50-1

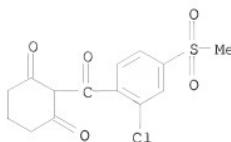
CMF C19 H19 Cl F4 N2 O5



CM 2

CRN 99105-77-8

CMF C14 H13 Cl O5 S



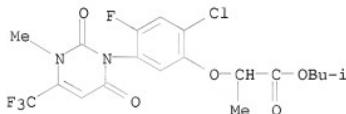
RN 345667-34-7 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-methylpropyl ester, mixt. with 2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

CM 1

CRN 311810-50-1

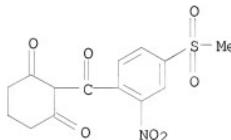
CMF C19 H19 Cl F4 N2 O5



CM 2

CRN 104206-82-8

CMF C14 H13 N O7 S



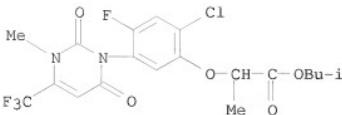
RN 345667-35-8 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-methylpropyl ester, mixt. with (5-cyclopropyl-4-isoxazolyl)[2-(methylsulfonyl)-4-(trifluoromethyl)phenyl]methanone (9CI) (CA INDEX NAME)

CM 1

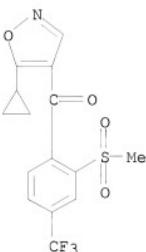
CRN 311810-50-1

CMF C19 H19 Cl F4 N2 O5



CM 2

CRN 141112-29-0
 CMF C15 H12 F3 N O4 S

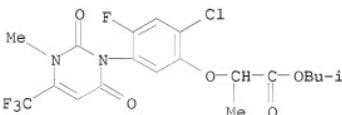


RN 345667-36-9 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-methylpropyl ester, mixt. with [4-chloro-2-(methylsulfonyl)phenyl](5-cyclopropyl-4-isoxazolyl)methanone (9CI) (CA INDEX NAME)

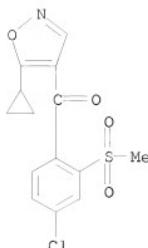
CM 1

CRN 311810-50-1
 CMF C19 H19 Cl F4 N2 O5



CM 2

CRN 141112-06-3
 CMF C14 H12 Cl N O4 S



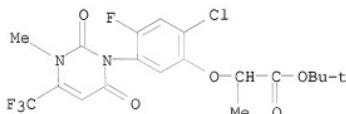
RN 345667-37-0 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 1,1-dimethylpropyl ester, mixt. with 2-[2-chloro-4-(methylsulfonyl)benzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

CM 1

CRN 311810-51-2

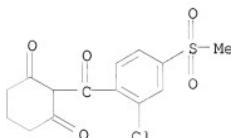
CMF C19 H19 Cl F4 N2 O5



CM 2

CRN 99105-77-8

CMF C14 H13 Cl O5 S

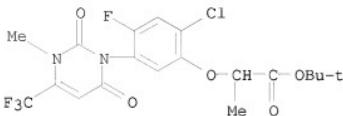


RN 345667-38-1 CAPLUS

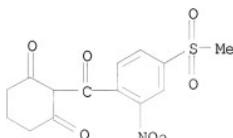
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 1,1-dimethylpropyl ester, mixt. with 2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

CM 1

CRN 311810-51-2
CMF C19 H19 Cl F4 N2 O5

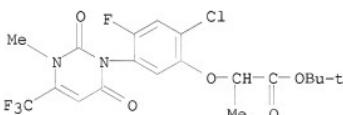


CM 2
CRN 104206-82-8
CMF C14 H13 N O7 S

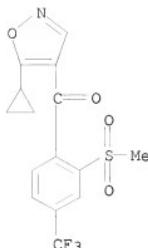


RN 345667-39-2 CAPLUS
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 1,1-dimethylethyl ester, mixt. with (5-cyclopropyl-4-isoxazolyl)[2-(methylsulfonyl)-4-(trifluoromethyl)phenyl]methanone (9CI) (CA INDEX NAME)

CM 1
CRN 311810-51-2
CMF C19 H19 Cl F4 N2 O5



CM 2
CRN 141112-29-0
CMF C15 H12 F3 N O4 S



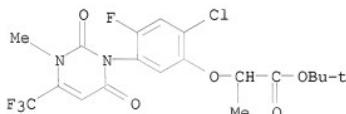
RN 345667-40-5 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 1,1-dimethyl-ethyl ester, mixt. with [4-chloro-2-(methylsulfonyl)phenyl](5-cyclopropyl-4-isoxazolyl)methanone (9CI) (CA INDEX NAME)

CM 1

CRN 311810-51-2

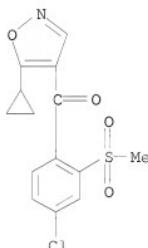
CMF C19 H19 Cl F4 N2 O5



CM 2

CRN 141112-06-3

CMF C14 H12 Cl N O4 S



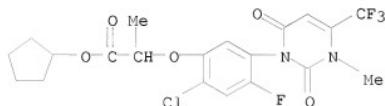
RN 345667-41-6 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, cyclopentyl ester,
mixt. with 2-[2-chloro-4-(methylsulfonyl)benzoyl]-1,3-cyclohexanedione
(9CI) (CA INDEX NAME)

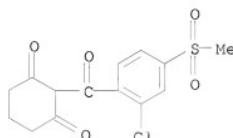
CM 1

CRN 311810-52-3
CMF C20 H19 Cl F4 N2 O5



CM 2

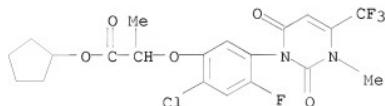
CRN 99105-77-8
CMF C14 H13 Cl O5 S



RN 345667-42-7 CAPLUS
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, cyclopentyl ester,
mixt. with 2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanedione
(9CI) (CA INDEX NAME)

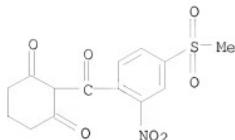
CM 1

CRN 311810-52-3
CMF C20 H19 Cl F4 N2 O5



CM 2

CRN 104206-82-8
CMF C14 H13 N O7 S



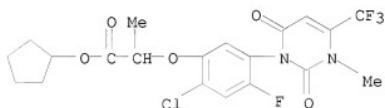
RN 345667-43-8 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-cyclopentyl ester, mixt. with (5-cyclopropyl-4-isoxazolyl)[2-(methylsulfonyl)-4-(trifluoromethyl)phenyl]methanone (9CI) (CA INDEX NAME)

CM 1

CRN 311810-52-3

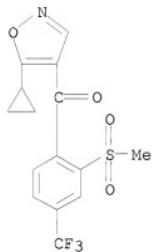
CMF C20 H19 Cl F4 N2 O5



CM 2

CRN 141112-29-0

CMF C15 H12 F3 N O4 S



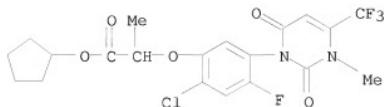
RN 345667-44-9 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-cyclopentyl ester, mixt. with [4-chloro-2-(methylsulfonyl)phenyl][5-cyclopropyl-4-isoxazolyl]methanone (9CI) (CA INDEX NAME)

CM 1

CRN 311810-52-3

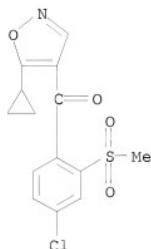
CMF C20 H19 Cl F4 N2 O5



CM 2

CRN 141112-06-3

CMF C14 H12 Cl N O4 S



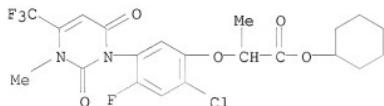
RN 345667-45-0 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, cyclohexyl ester, mixt. with 2-[2-chloro-4-(methylsulfonyl)benzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

CM 1

CRN 311810-53-4

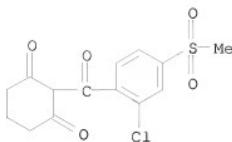
CMF C21 H21 Cl F4 N2 O5



CM 2

CRN 99105-77-8

CMF C14 H13 Cl O5 S



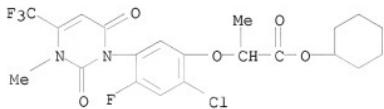
RN 345667-46-1 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, cyclohexyl ester, mixt. with 2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

CM 1

CRN 311810-53-4

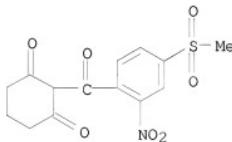
CMF C21 H21 Cl F4 N2 O5



CM 2

CRN 104206-82-8

CMF C14 H13 N O7 S



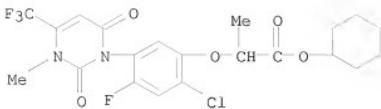
RN 345667-47-2 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, cyclohexyl ester, mixt. with (5-cyclopropyl-4-isoxazolyl)-2-(methylsulfonyl)-4-(trifluoromethyl)phenyl]methanone (9CI) (CA INDEX NAME)

CM 1

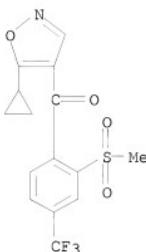
CRN 311810-53-4

CMF C21 H21 Cl F4 N2 O5



CM 2

CRN 141112-29-0
 CMF C15 H12 F3 N 04 S

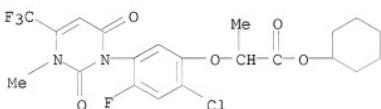


RN 345667-48-3 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, cyclohexyl ester, mixt. with [4-chloro-2-(methylsulfonyl)phenyl](5-cyclopropyl-4-isoxazolyl)methanone (9CI) (CA INDEX NAME)

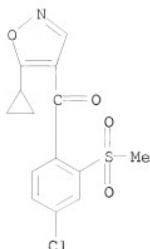
CM 1

CRN 311810-53-4
 CMF C21 H21 Cl F4 N2 O5



CM 2

CRN 141112-06-3
 CMF C14 H12 Cl N 04 S



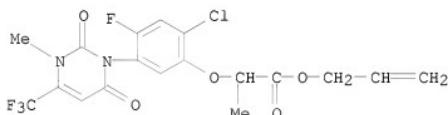
RN 345667-49-4 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-propenyl ester, mixt. with 2-[2-chloro-4-(methylsulfonyl)benzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

CM 1

CRN 280762-87-0

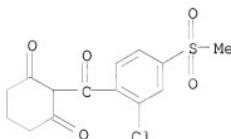
CMF C18 H15 Cl F4 N2 O5



CM 2

CRN 99105-77-8

CMF C14 H13 Cl O5 S

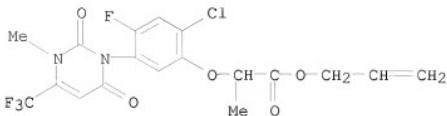


RN 345667-50-7 CAPLUS

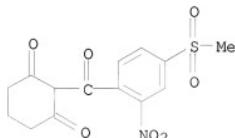
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-propenyl ester, mixt. with 2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanedione (9CI) (CA INDEX NAME)

CM 1

CRN 280762-87-0
CMF C18 H15 Cl F4 N2 O5

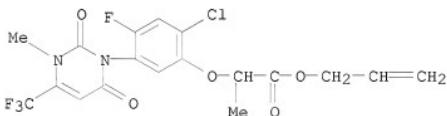


CM 2
CRN 104206-82-8
CMF C14 H13 N O7 S

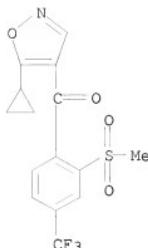


RN 345667-51-8 CAPLUS
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-propenyl ester, mixt. with (5-cyclopropyl-4-isoxazolyl)[2-(methylsulfonyl)-4-(trifluoromethyl)phenyl]methanone (9CI) (CA INDEX NAME)

CM 1
CRN 280762-87-0
CMF C18 H15 Cl F4 N2 O5



CM 2
CRN 141112-29-0
CMF C15 H12 F3 N O4 S



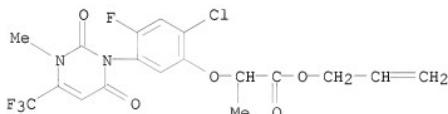
RN 345667-52-9 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, 2-propenyl ester, mixt. with [4-chloro-2-(methylsulfonyl)phenyl](5-cyclopropyl-4-isoxazolyl)methanone (9CI) (CA INDEX NAME)

CM 1

CRN 280762-87-0

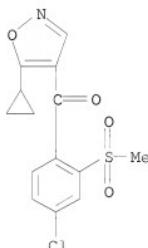
CMF C18 H15 Cl F4 N2 O5



CM 2

CRN 141112-06-3

CMF C14 H12 Cl N O4 S



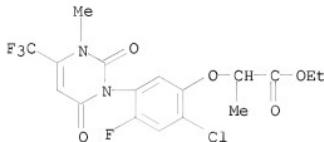
RN 345667-53-0 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester, mixt.
with 2-[2-chloro-4-(methylsulfonyl)benzoyl]-1,3-cyclohexanedione (9CI)
(CA INDEX NAME)

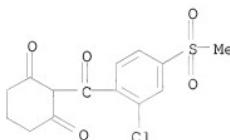
CM 1

CRN 114169-04-9
CMF C17 H15 Cl F4 N2 O5



CM 2

CRN 99105-77-8
CMF C14 H13 Cl O5 S

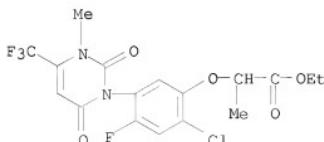


RN 345667-54-1 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester, mixt.
with 2-[4-(methylsulfonyl)-2-nitrobenzoyl]-1,3-cyclohexanedione (9CI) (CA
INDEX NAME)

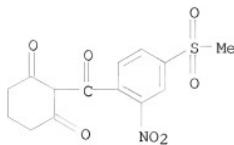
CM 1

CRN 114169-04-9
CMF C17 H15 Cl F4 N2 O5



CM 2

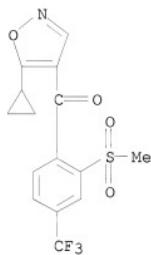
CRN 104206-82-8
CMF C14 H13 N O7 S



RN 345667-55-2 CAPLUS
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester, mixt.
with (5-cyclopropyl-4-isoxazolyl)[2-(methylsulfonyl)-4-(trifluoromethyl)phenyl]methanone (9CI) (CA INDEX NAME)

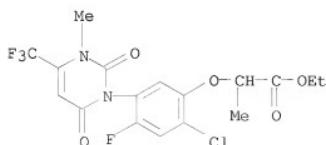
CM 1

CRN 141112-29-0
CMF C15 H12 F3 N O4 S



CM 2

CRN 114169-04-9
CMF C17 H15 Cl F4 N2 O5

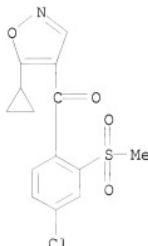


RN 345667-56-3 CAPLUS
CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester, mixt.

with [4-chloro-2-(methylsulfonyl)phenyl](5-cyclopropyl-4-isoxazolyl)methanone (9CI) (CA INDEX NAME)

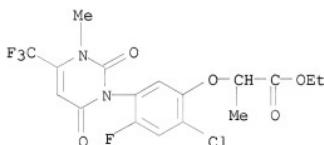
CM 1

CRN 141112-06-3
CMF C14 H12 Cl N O4 S



CM 2

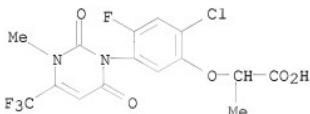
CRN 114169-04-9
CMF C17 H15 Cl F4 N2 O5



L3 ANSWER 38 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
ACCESSION NUMBER: 2001:463171 CAPLUS
DOCUMENT NUMBER: 135:42273
TITLE: Herbicide in corn field
INVENTOR(S): Mito, Nobuaki
PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 6 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

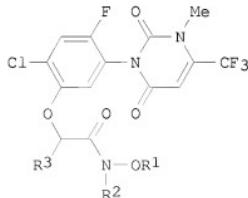
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001172108	A	20010626	JP 1999-357337	19991216
BR 2000005865	A	20010724	BR 2000-5865	20001213
MX 2000PA12381	A	20020709	MX 2000-PA12381	20001213
FR 2802389	A1	20010622	FR 2000-16291	20001214

CN 1304657 A 20010725 CN 2000-135064 20001214
 US 2002006871 A1 20020117 US 2000-735611 20001214
 US 6372691 B2 20020416
 PRIORITY APPLN. INFO.: JP 1999-357337 A 19991216
 AB 2-[2-Chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]propionic acid ester is an effective herbicide in corn field.
 IT 303030-46-8D, ester
 RL: AGR (Agricultural use); BPR (Biological process); BSU (Biological study, unclassified); BIOL (Biological study); PROC (Process); USES (Uses)
 (as herbicide in corn field)
 RN 303030-46-8 CAPLUS
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-1,2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



L3 ANSWER 39 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2001:459883 CAPLUS
 DOCUMENT NUMBER: 135:61349
 TITLE: Preparation of pyrimidinylhydroxamic acids and herbicides
 INVENTOR(S): Okada, Itaru; Sanemitsu, Yuzuru
 PATENT ASSIGNEE(S): Sumitomo Chemical Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 19 pp.
 CODEN: JKXXAF
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
JP 2001172265	A	20010626	JP 1999-355757	19991215
PRIORITY APPLN. INFO.:			JP 1999-355757	19991215
OTHER SOURCE(S): MARPAT	135:61349			
GI				



I

AB Title compds. I [R1 = H, (un)substituted C1-6 alkyl, C3-6 alkenyl, C3-6

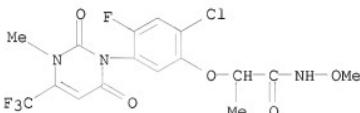
alkynyl; R2 = H, C1-6 alkyl, C3-6 alkenyl, C3-6 alkynyl; R1R2 may form C3-6 alkylene; R3 = H, Me] are prepared 2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]propionyl chloride (0.43 g) was reacted with O-methylhydroxylamine hydrochloride in the presence of Et3N in DMF-EtOAc for 30 min to give 0.36 g I (R1 = R3 = Me, R2 = H) showing good inhibitory activity against the growth of *Echinocloa crus galli*, etc.

IT 345913-81-7P 345913-83-9P 345913-84-0P
 345913-85-1P 345913-86-2P 345913-87-3P
 345913-88-4P 345913-89-5P 345913-90-8P
 345913-91-9P 345913-92-0P 345913-93-1P
 345913-94-2P 345913-95-3P 345913-96-4P
 345913-97-5P 345913-98-6P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of hydroxamic acids for herbicides)

RN 345913-81-7 CAPLUS

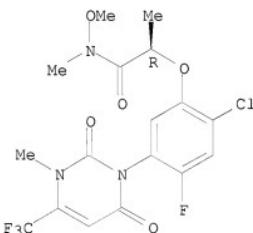
CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-methoxy- (CA INDEX NAME)



RN 345913-83-9 CAPLUS

CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-methoxy-N-methyl-, (2R)- (CA INDEX NAME)

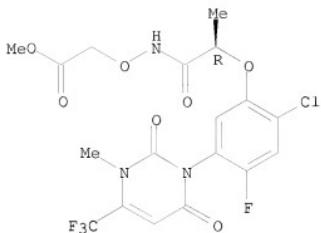
Absolute stereochemistry.



RN 345913-84-0 CAPLUS

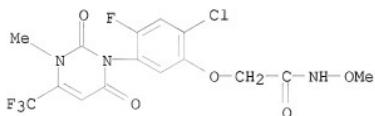
CN Acetic acid, [([(2R)-2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1-oxopropyl]amino]oxyl-, methyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 345913-85-1 CAPLUS

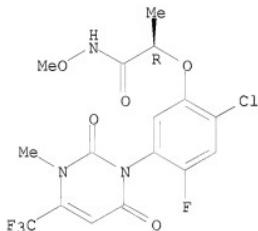
CN Acetamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-methoxy- (CA INDEX NAME)



RN 345913-86-2 CAPLUS

CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-methoxy-, (2R)- (CA INDEX NAME)

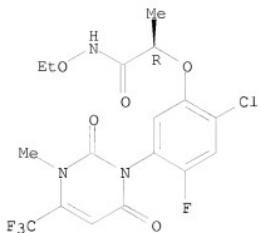
Absolute stereochemistry.



RN 345913-87-3 CAPLUS

CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-ethoxy-, (2R)- (CA INDEX NAME)

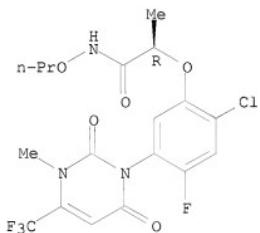
Absolute stereochemistry.



RN 345913-88-4 CAPLUS

CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-propoxy-, (2R)-
(CA INDEX NAME)

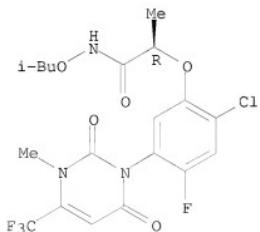
Absolute stereochemistry.



RN 345913-89-5 CAPLUS

CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-(2-methylpropoxy)-,
, (2R)- (CA INDEX NAME)

Absolute stereochemistry.

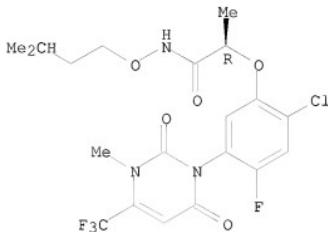


RN 345913-90-8 CAPLUS

CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-

(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-(3-methylbutoxy)-,
(2R)- (CA INDEX NAME)

Absolute stereochemistry.

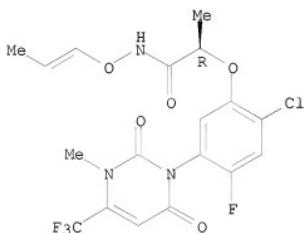


RN 345913-91-9 CAPLUS

CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-(1-propenyl)-,
(2R)- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

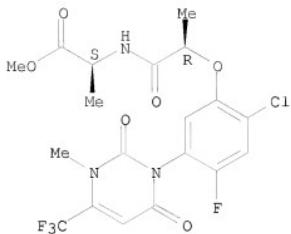
Double bond geometry unknown.



RN 345913-92-0 CAPLUS

CN L-Alanine, N-(2R)-2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1-oxopropyl]-,
methyl ester (CA INDEX NAME)

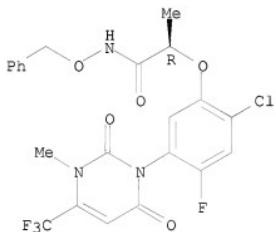
Absolute stereochemistry.



RN 345913-93-1 CAPLUS

CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-(phenylmethoxy)-, (2R)- (CA INDEX NAME)

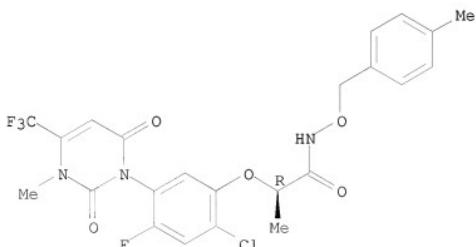
Absolute stereochemistry.



RN 345913-94-2 CAPLUS

CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-[(4-methylphenyl)methoxy]-, (2R)- (CA INDEX NAME)

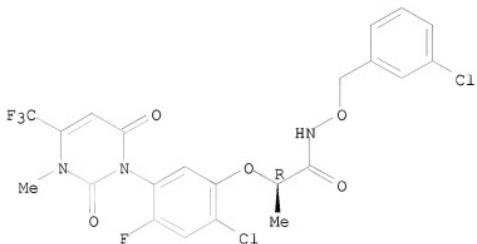
Absolute stereochemistry.



RN 345913-95-3 CAPLUS

CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-[(3-chlorophenyl)methoxy]-, (2R)- (CA INDEX NAME)

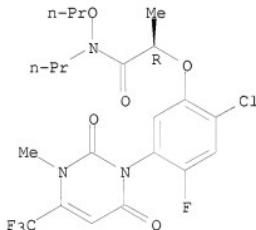
Absolute stereochemistry.



RN 345913-96-4 CAPLUS

CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-propoxy-N-propyl-, (2R)- (CA INDEX NAME)

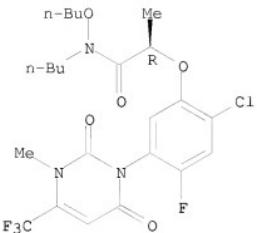
Absolute stereochemistry.



RN 345913-97-5 CAPLUS

CN Propanamide, N-butoxy-N-butyl-2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, (2R)- (CA INDEX NAME)

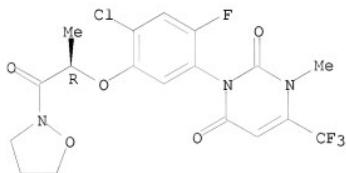
Absolute stereochemistry.



RN 345913-98-6 CAPLUS

CN Isoxazolidine, 2-[(2R)-2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-1-oxopropyl]- (9CI)
(CA INDEX NAME)

Absolute stereochemistry.

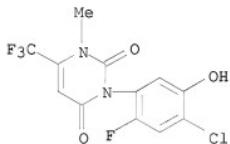


IT 114136-60-6 303030-46-8

RL: RCT (Reactant); RACT (Reactant or reagent)
(preparation of hydroxamic acids for herbicides)

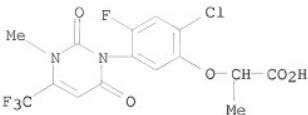
RN 114136-60-6 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-(4-chloro-2-fluoro-5-hydroxyphenyl)-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



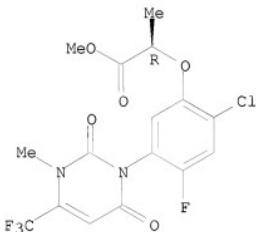
RN 303030-46-8 CAPLUS

CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



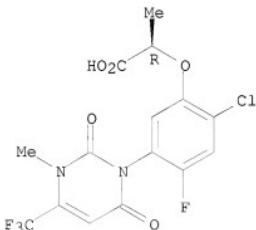
IT 280762-82-5P 280762-88-1P 326851-98-3P
 345913-80-6P 345913-82-8P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of hydroxamic acids for herbicides)
 RN 280762-82-5 CAPLUS
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester,
 (2R)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).



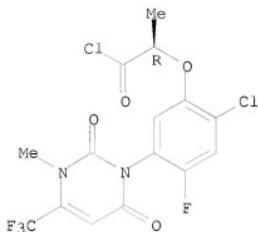
RN 280762-88-1 CAPLUS
 CN Propanoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



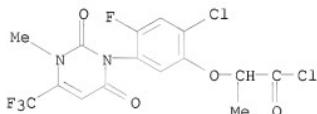
RN 326851-98-3 CAPLUS
 CN Propanoyl chloride, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



RN 345913-80-6 CAPLUS

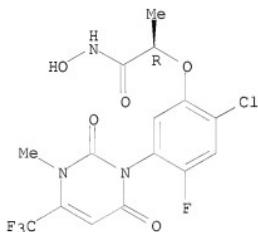
CN Propanoyl chloride, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)



RN 345913-82-8 CAPLUS

CN Propanamide, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-N-hydroxy-, (2R)- (CA INDEX NAME)

Absolute stereochemistry.



L3 ANSWER 40 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN

ACCESSION NUMBER: 2001:453032 CAPLUS

DOCUMENT NUMBER: 135:46197

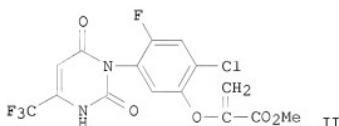
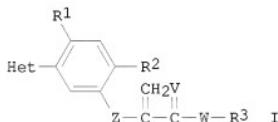
TITLE: Phenoxy- and thiophenoxyacrylic acid compounds as herbicides

INVENTOR(S): Hamprecht, Gerhard; Puhl, Michael; Reinhard, Robert; Sagasser, Ingo; Zagar, Cyrill; Westphalen, Karl-Otto; Witschel, Matthias; Walter, Helmut

PATENT ASSIGNEE(S): Basf A.-G., Germany
 SOURCE: PCT Int. Appl., 84 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: German
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001044204	A1	20010621	WO 2000-EP12799	20001215
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
CA 2394422	A1	20010621	CA 2000-2394422	20001215
EP 1237879	A1	20020911	EP 2000-989984	20001215
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
JP 2003516973	T	20030520	JP 2001-544694	20001215
US 6528455	B1	20030304	US 2002-148909	20020605
PRIORITY APPLN. INFO.:			DE 1999-19960811	A 19991216
			WO 2000-EP12799	W 20001215

OTHER SOURCE(S): MARPAT 135:46197
 GI



AB Title compds. I [Z, V, W = O, S; Het = unsatd., five- or six-membered heterocycle linked to the benzene ring via N; R1 = H, halogen; R2 = halogen, CN, alkyl, haloalkyl, alkoxy, haloalkoxy; R3 = H, (un)substituted alkyl, alkenyl, alkynyl, cycloalkyl, 2,3-dihydrofuryl, 2,5-dihydrofuryl, tetrahydrofuryl] were prepared for use as herbicides. Thus, 2-chloro-4-fluoro-5-nitrophenol was treated with ClCHMeCO2Me and the resulting phenoxypropionate was treated with Fe-AcOH to give 2-(5-amino-2-chloro-4-fluorophenoxy)acrylate. This compound was treated with diphosgene to give the isocyanate which was cyclized with

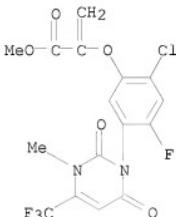
F₃CC(NH₂):CHCO₂Me and methylated to give the pyrimidinedione derivative II. II had good herbicidal activity at 3.9 and 1.95 g/ha and was well tolerated by wheat.

IT 344612-61-9P

RL: AGR (Agricultural use); BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of phenoxy- and thiophenoxyacrylic acids as herbicides)

RN 344612-61-9 CAPLUS

CN 2-Propenoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester (CA INDEX NAME)

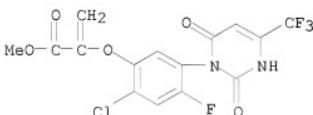


IT 344612-60-8P

RL: AGR (Agricultural use); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses) (preparation of phenoxy- and thiophenoxyacrylic acids as herbicides)

RN 344612-60-8 CAPLUS

CN 2-Propenoic acid, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester (CA INDEX NAME)



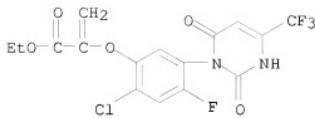
IT 344612-66-4P 344612-67-5P 344612-69-7P

344612-70-0P 344612-71-1P 344612-72-2P

RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses) (preparation of phenoxy- and thiophenoxyacrylic acids as herbicides)

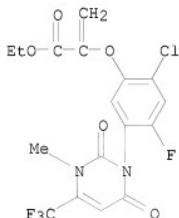
RN 344612-66-4 CAPLUS

CN 2-Propenoic acid, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester (CA INDEX NAME)



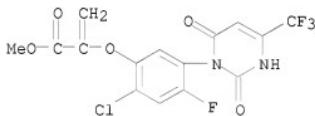
RN 344612-67-5 CAPLUS

CN 2-Propenoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, ethyl ester (CA INDEX NAME)



RN 344612-69-7 CAPLUS

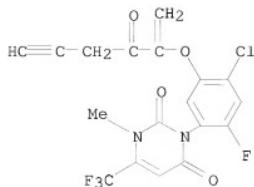
CN 2-Propenoic acid, 2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester, sodium salt (9CI) (CA INDEX NAME)



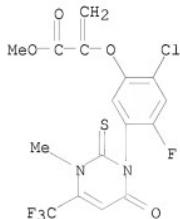
● Na

RN 344612-70-0 CAPLUS

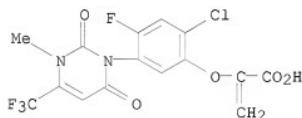
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[(1-methylene-2-oxo-4-pentynyl)oxy]phenyl]-1-methyl-6-(trifluoromethyl)- (9CI) (CA INDEX NAME)



RN 344612-71-1 CAPLUS
 CN 2-Propenoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-6-oxo-2-thioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]-, methyl ester (CA INDEX NAME)



RN 344612-72-2 CAPLUS
 CN 2-Propenoic acid, 2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]- (CA INDEX NAME)

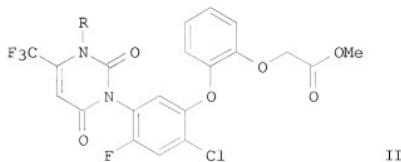
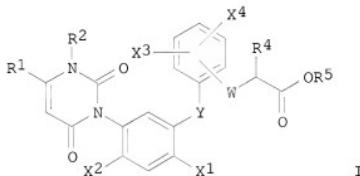


REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3 ANSWER 41 OF 91 CAPLUS COPYRIGHT 2008 ACS on STN
 ACCESSION NUMBER: 2001:432884 CAPLUS
 DOCUMENT NUMBER: 135:46191
 TITLE: Preparation of uracil derivatives as herbicides
 INVENTOR(S): Tohyama, Yoshitomo; Senemitsu, Yuzuru; Gotou, Tomohiko
 PATENT ASSIGNEE(S): Sumitomo Chemical Company, Limited, Japan
 SOURCE: Eur. Pat. Appl., 108 pp.
 CODEN: EPXXDW
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 1106607	A2	20010613	EP 2000-126429	20001205
EP 1106607	A3	20010718		
EP 1106607	B1	20050727		
R: AT, BE, CH, IE, SI, LT,	DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, LV, FI, RO			
IL 139899	A	20050619	IL 2000-139899	20001124
IL 166937	A	20050925	IL 2000-166937	20001124
IL 166938	A	20051120	IL 2000-166938	20001124
IL 166939	A	20051120	IL 2000-166939	20001124
JP 2002053560	A	20020219	JP 2000-366722	20001201
ZA 2000007155	A	20010606	ZA 2000-7155	20001204
CA 2327635	A1	20010607	CA 2000-2327635	20001204
RU 2259359	C2	20050827	RU 2000-130556	20001204
US 2002013466	A1	20020131	US 2000-729312	20001205
US 6451740	B2	20020917		
BR 2000007890	A	20020226	BR 2000-7890	20001205
MX 2000PA12042	A	20030312	MX 2000-PA12042	20001205
AT 300525	T	20050815	AT 2000-126429	20001205
ES 2244387	T3	20051216	ES 2000-126429	20001205
CN 1303852	A	20010718	CN 2000-137297	20001207
AU 772956	B2	20040513	AU 2000-72072	20001207
CN 1572786	A	20050202	CN 2004-10061845	20001207
US 2003130124	A1	20030710	US 2002-193287	20020712
US 6667413	B2	20031223		
PRIORITY APPLN. INFO.:				
			JP 1999-348025	A 19991207
			JP 2000-165751	A 20000602
			IL 2000-139899	A3 20001124
			US 2000-729312	A3 20001205

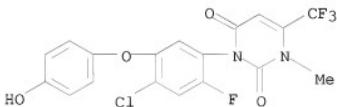
OTHER SOURCE(S): MARPAT 135:46191
GI



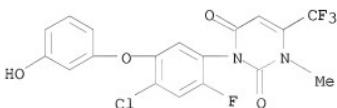
AB Title compds. (I) [wherein W and Y = independently O, S, NH, or

alkylimino; R1 = (halo)alkyl; R2 = alkyl; R4 = H or Me; R5 = (halo)alkyl, (halo)alkenyl, or (halo)alkynyl; X1 = H, CN, or NO₂; X2 = H or halo; X3 and X4 = independently H, halo, (halo)alkyl, (halo)alkenyl, (halo)alkynyl, alkoxyalkyl, (halo)alkoxy, alkoxycarbonyl, or CN] where prepared as herbicides. For example, methylation of II (R = H) using MeI in the presence of K₂CO₃ in DMSO afforded II (R = Me), which showed complete control over Johnson grass, barnyard grass, large crabgrass, broadleaf signalgrass, and wild oat at 3.3 g/ha.

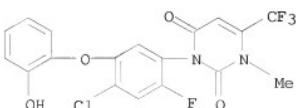
- IT 344419-85-8P 344419-88-1P 344419-93-8P,
 2-[2-Chloro-4-fluoro-5-(3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl)phenoxy]phenol 344420-00-4P,
 2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]propionic acid
 344420-02-6P, [2-[2-Chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]acetic acid 344420-09-3P 344420-34-4P 344420-38-8P
 344420-46-8P 344420-73-1P
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (intermediate; preparation of uracil derivs. as herbicides)
- RN 344419-85-8 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(4-hydroxyphenoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



- RN 344419-88-1 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(4-hydroxyphenoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)

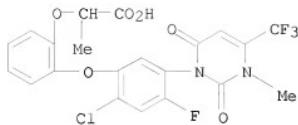


- RN 344419-93-8 CAPLUS
 CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-(4-hydroxyphenoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



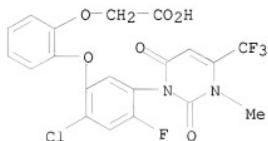
- RN 344420-00-4 CAPLUS
 CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]- (CA INDEX

NAME)



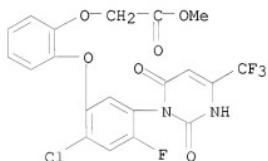
RN 344420-02-6 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]- (9CI) (CA INDEX NAME)



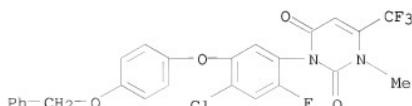
RN 344420-09-3 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 344420-34-4 CAPLUS

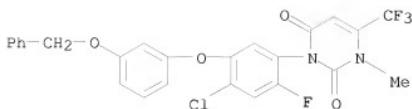
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[4-(phenylmethoxy)phenoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 344420-38-8 CAPLUS

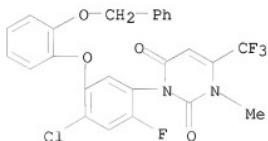
CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[3-(phenylmethoxy)phenoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX

NAME)



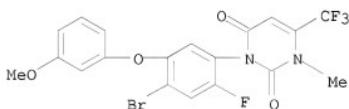
RN 344420-46-8 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-chloro-2-fluoro-5-[2-(phenylmethoxy)phenoxy]phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



RN 344420-73-1 CAPLUS

CN 2,4(1H,3H)-Pyrimidinedione, 3-[4-bromo-2-fluoro-5-(3-methoxyphenoxy)phenyl]-1-methyl-6-(trifluoromethyl)- (CA INDEX NAME)



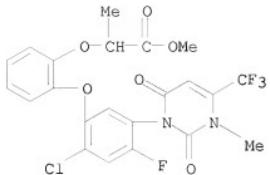
IT 344419-95-0P, Methyl 2-[2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]propionate 344419-98-3P, Methyl [2-[2-chloro-4-fluoro-5-[3-methyl-2,6-dioxo-4-(trifluoromethyl)-1,2,3,6-tetrahydropyrimidin-1-yl]phenoxy]acetate 344420-11-7P
344420-28-6P

RL: AGR (Agricultural use); RCT (Reactant); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)

(preparation of uracil derivs. as herbicides)

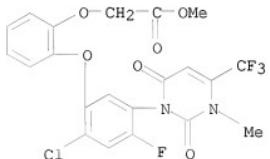
RN 344419-95-0 CAPLUS

CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenyl]-, methyl ester (CA INDEX NAME)



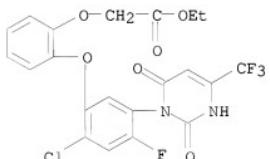
RN 344419-98-3 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)



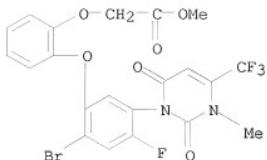
RN 344420-11-7 CAPLUS

CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (9CI) (CA INDEX NAME)



RN 344420-28-6 CAPLUS

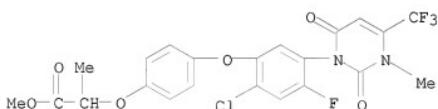
CN Acetic acid, [2-[2-bromo-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)



IT 344419-86-9P 344419-90-5P 344419-97-2P
 344419-99-4P 344420-01-5P 344420-04-8P
 344420-05-9P 344420-07-1P 344420-12-8P
 344420-13-9P 344420-16-2P 344420-27-5P
 RL: AGR (Agricultural use); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (preparation of uracil derivs. as herbicides)

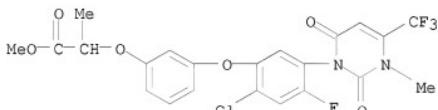
RN 344419-86-9 CAPLUS

CN Propanoic acid, 2-[4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (CA INDEX NAME)



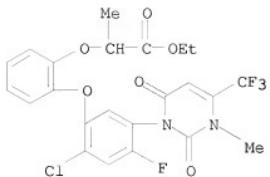
RN 344419-90-5 CAPLUS

CN Propanoic acid, 2-[3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (CA INDEX NAME)

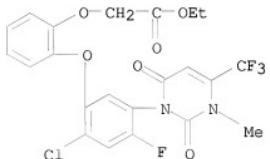


RN 344419-97-2 CAPLUS

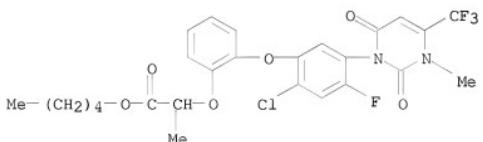
CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (CA INDEX NAME)



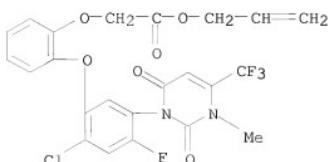
RN 344419-99-4 CAPLUS
 CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (9CI) (CA INDEX NAME)



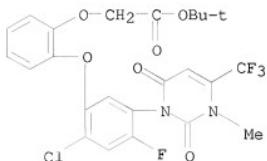
RN 344420-01-5 CAPLUS
 CN Propanoic acid, 2-[2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, pentyl ester (CA INDEX NAME)



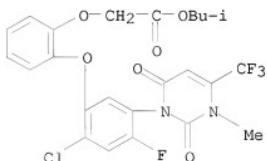
RN 344420-04-8 CAPLUS
 CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 2-propenyl ester (9CI) (CA INDEX NAME)



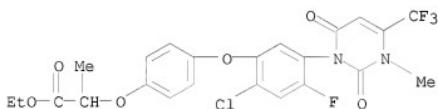
RN 344420-05-9 CAPLUS
CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, 1,1-dimethyllethyl ester (9CI) (CA INDEX NAME)



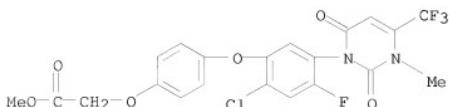
RN 344420-07-1 CAPLUS
CN Acetic acid, [2-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxyl]-, 2-methylpropyl ester (9CI) (CA INDEX NAME)



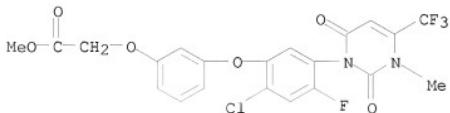
RN 344420-12-8 CAPLUS
CN Propanoic acid, 2-[4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, ethyl ester (CA INDEX NAME)



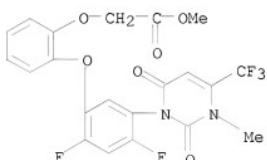
RN 344420-13-9 CAPLUS
CN Acetic acid, [4-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 344420-16-2 CAPLUS
CN Acetic acid, [3-[2-chloro-5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-4-fluorophenoxy]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 344420-27-5 CAPLUS
CN Acetic acid, [2-[5-[3,6-dihydro-3-methyl-2,6-dioxo-4-(trifluoromethyl)-1(2H)-pyrimidinyl]-2,4-difluorophenoxy]phenoxy]-, methyl ester (9CI) (CA INDEX NAME)



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(FILE 'HOME' ENTERED AT 11:24:55 ON 23 JAN 2008)

FILE 'CAPLUS' ENTERED AT 11:25:05 ON 23 JAN 2008
L1 STRUCTURE UPLOADED
S L1

FILE 'REGISTRY' ENTERED AT 11:25:58 ON 23 JAN 2008
L2 1391 S L1 FULL

FILE 'CAPLUS' ENTERED AT 11:26:04 ON 23 JAN 2008
L3 91 S L2 FULL

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COST IN U.S. DOLLARS SINCE FILE TOTAL
ENTRY SESSION
FULL ESTIMATED COST 456.33 635.38

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE TOTAL
ENTRY SESSION
CA SUBSCRIBER PRICE -64.80 -64.80

SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 11:44:43 ON 23 JAN 2008